

# SKIL

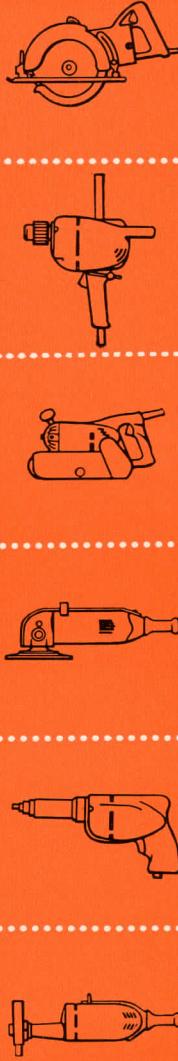
## portable tools

*for the manufacturing, construction  
and automotive service industries*

**SKIL Corporation**  
FORMERLY SKILSAW, INC.

5033 ELSTON AVENUE  
CHICAGO 30, ILLINOIS

1953



# General Information

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## SKIL Corporation ... a note on our new name

Known for over 25 years as SKILSAW, Inc., it is with a feeling of progress that we announce our new corporate name.

Through your acceptance of our products, we have advanced from the manufacture of one tool (the famous SKILSAW), to the manufacture of many.

Our new name, SKIL Corporation, indicates this growth of plant and product.

We hope you will come to recognize it as the best name in portable tools.

# General Information



**Your SKIL  
distributor  
knows  
tools!**

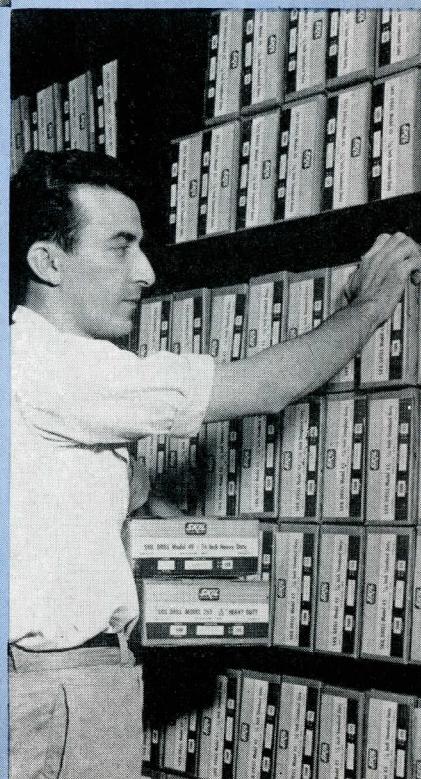
SKIL tools are sold only through authorized distributors to give you the most efficient service possible in supplying your portable tool needs.

The SKIL distributor and his representatives are experienced, not only in the specifications of portable tools, but in solving the many problems that confront every industry. Their advice will give you the benefit of this broad experience in selecting equipment to do each job better, faster and at lower cost.

The distributor is organized to give you complete, fast and economical service. You have on call his representatives, his inventory and delivery facilities to reduce costly delays and production stoppages.

In addition to SKIL products, your distributor carries thousands of items for maintenance, production and construction work. He is the one source for all such needs and can give the latest in price and product information, plus the latest product application data which will be useful in your business.

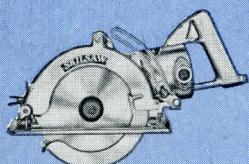
See your classified telephone directory or write for name of the SKIL distributor nearest you.



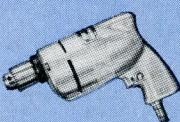
# SKIL Portable Tools . . .

## For the manufacturing, construction and automotive service industries

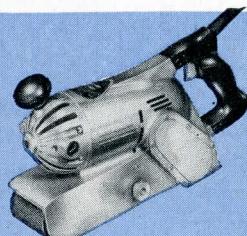
On these two pages are shown some of the many tools bearing the SKIL name. Producing a broader and more complete line of tools than that of any other manufacturer, SKIL Corporation intends to continue its progress in developing, improving and making the tools demanded by users. If your business calls for portable electric or pneumatic tools, there's a SKIL tool designed for that job . . . engineered to out-perform and out-last other makes.



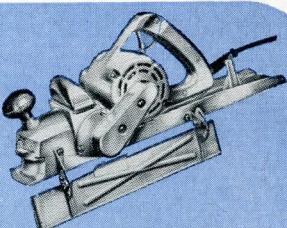
SKILSAWS  
10 models



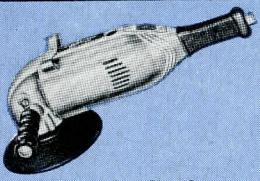
SKIL Drills  
26 models



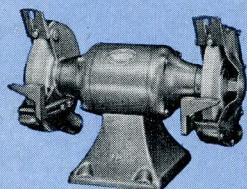
SKIL Belt Sanders—5 models



SKIL Plane



SKIL Disc Sanders  
6 models



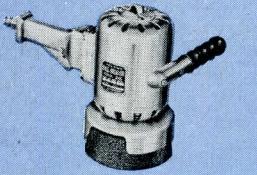
SKIL Bench Grinders—7 models



SKIL Hand Grinders  
3 models



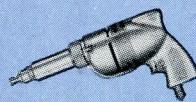
SKIL Portable Grinders  
5 models



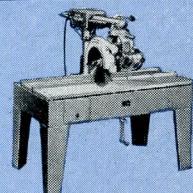
SKIL Polyphase Grinder



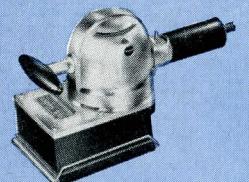
SKIL Blowers  
5 models



SKIL Drivers, Runners  
20 models



SKIL Radial Saws—4 models



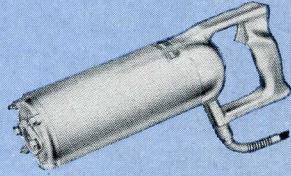
SKIL Oscillating Sander



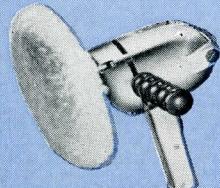
SKIL Shear



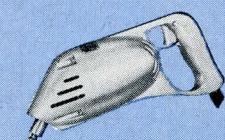
SKIL Floor  
Sanders  
2 models



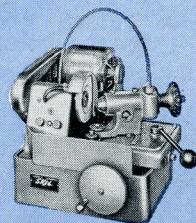
SKIL Hammer



SKIL Polisher



SKIL Valve Seat Grinder  
2 models



SKIL Valve Refacer



SKIL Valve Seat  
Grinding Sets  
4 models

... over 150 models

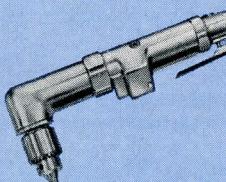
Ask for separate catalogs on ...

## SKIL Pneumatic Tools

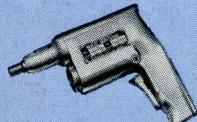
Because of their many special applications, SKIL Pneumatic Tools are given detailed listing in a separate catalog. Write or ask your SKIL distributor for complete details on this comprehensive line of production and assembly line tools, including standard and right angle drills, drivers and runners; hammers, hand grinders, disc sanders and polishers.



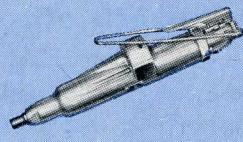
SKIL Drills  
7 models



SKIL Drills  
3 models



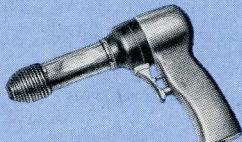
SKIL Driver



SKIL Driver



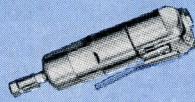
SKIL Hammers  
6 models



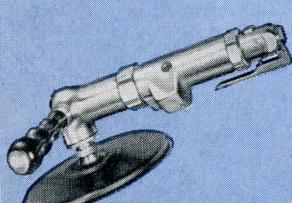
SKIL Hammers  
6 models



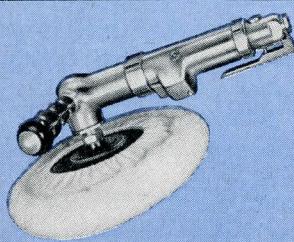
SKIL Runner



SKIL Grinders  
3 models



SKIL Sander



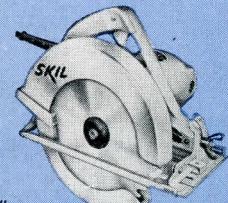
SKIL Polisher



1/4" drills  
2 models



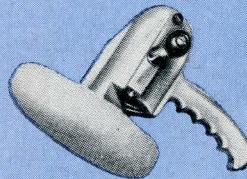
1/2" drills  
2 models



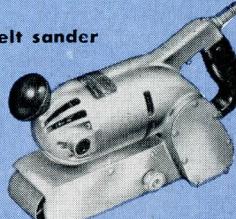
8 1/4" saw



6" saw  
3 models



sander-polisher



belt sander



oscillating sander



drill kits  
2 models



power chest



trimmer

# General Information



## the manufacturer

A long-established and skilled manufacturing organization produces SKIL tools. Management policies keep employee morale high, developing a spirit of craftsmanship and personal pride in the production of every SKIL product.

As important as craftsmanship is the selection of materials which go into SKIL equipment . . . the modern, precision machines by which it is built and the high standards of the production staff.

Constant research and testing—with rigid quality controls—all combine to assure you of greatest value when you buy SKIL.

**Final assembly operations in the modern SKIL factory are closely controlled to insure the finest workmanship.**



## factory branch offices

From coast to coast, SKIL Factory Branch Offices serve as co-ordinators of sales and service. Established primarily to serve SKIL distributors, they also extend parts service and repair facilities to all SKIL tool users.

Call the branch nearest you for information regarding location of your closest SKIL distributor, special tool applications, accessories, or service. A complete list will be found on the back cover. Consult your local directory for telephone number.

**Demonstration rooms are provided in many branch offices so that SKIL tools may be seen in action.**

## the SKIL guarantee

All SKIL equipment is thoroughly inspected and tested before it leaves our factory, and is guaranteed to be free from defects in material or workmanship. Should a SKIL product fail to give satisfactory service, return the complete tool to our factory or nearest factory branch, with transportation charges prepaid. We will replace free of charge any part found by us to be defective due to faulty material or workmanship, provided repairs have not been made or attempted by others.

## prices

SKIL prices are always F.O.B. factory unless otherwise indicated, and are subject to change without notice. Orders are accepted subject to prices in effect at date of shipment. Applicable federal or state taxes will be added to published prices. Prices have been omitted from this catalog. To keep current price data in your hands, a complete numerical price list is issued at intervals.

We reserve the right to substitute materials other than those specified in this catalog.

## more SKIL Saws in use

### than any other make! . . .

SKIL Saw has achieved its continued popularity by producing a top quality saw with the features users demand. Outstanding durability, high-torque performance, ease of handling and safety characterize SKIL Saw design . . . make it the preferred saw for industrial or construction use, keep it cutting under adverse conditions.

**SKIL**  
PORTABLE TOOLS

Ten models are available to fit various jobs . . . ask your SKIL Distributor to demonstrate the SKIL Saw that will fit your needs . . . a trial and comparison will prove to you, as to many thousands of users, that SKIL Saw is superior to all others.



Depth and bevel adjustments of SKIL Saw make it the natural choice for framing cuts — joists, studs, sub-flooring, sheathing, all rafters. Both cutting edge of blade and sighting mark are always in view for perfect accuracy.



High torque performance of SKIL Saw permits rapid scoring or cutting of concrete blocks, as well as many other kinds of natural and cast stone, with proper abrasive disc. Various types of sheet and corrugated metal may also be cut.



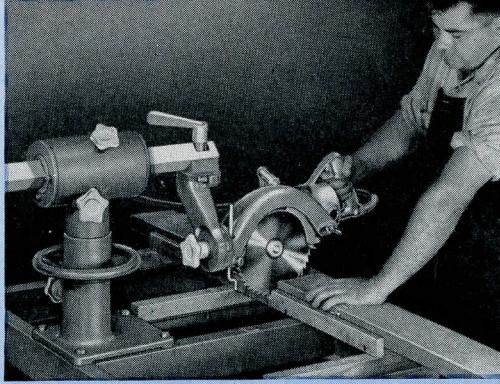
The high speed of Model 800 makes it exceptionally efficient in cutting stone with SKIL Cut-off Wheels, as well as sawing lumber at top speed. Highly effective with new SKIL Carbide-tipped Blades in lumber and various asbestos cement products.



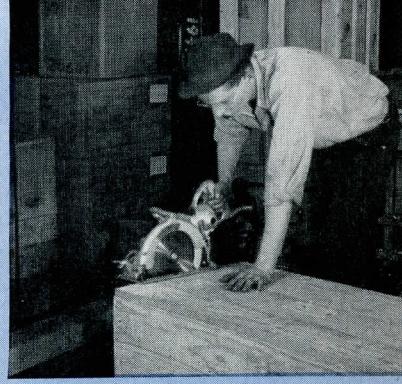
Easy to handle in any position, SKIL Saw gives the choice of one-hand operation on simple cuts; safe, two-hand control for more difficult work. Sturdy base supports tool on both sides of blade, giving SKIL Saw maximum stability on all cuts.



Uses of SKIL Saws in construction are practically unlimited. Their portability makes cutting of stair wells, stair stringers, wall and roof sheathing, insulation board and interior trim convenient and quick.

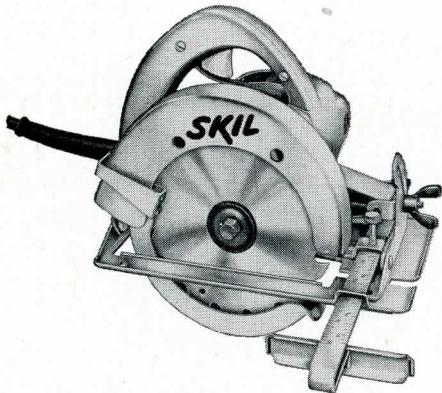


For multiple-unit housing projects . . . wherever many similar pieces are to be cut . . . SKIL Radial Support converts SKIL Saw into an efficient radial saw for fast, accurate work. Makes all cuts; is light enough to be carried from job to job.



Industrial applications for SKIL Saw are extensive. Used for making or opening shipping crates, cutting freight car bracing, plant maintenance, construction and repair. Often used for production-line cutting of wood, metal and stone.

# SKILSAWS



## SKIL **HOME BUILDERS 6"** Saw

model 686 (model 886 with case)  
1-15/16" depth of cut

Designed for carpenters, small contractors and residential builders who prefer minimum weight and price. Has many features found on heavy duty industrial saws — powerful universal motor, ball and needle roller bearings throughout. Special retractor handle permits quick, safe telescoping of lower guard for pocket cuts, scoring, and trimming edges. Accurate rip fence is indexed for use on either side of saw; may be adjusted or removed by simply turning a thumbscrew. Model 686 is adjustable from 1/16" to 1-15/16" depth of cut; indexed at 5° intervals up to 45° bevel.

Built for easy, one-hand use on repeated cut-off work found in general home construction — trimming roof sheathing or sub-flooring; cutting interior trim. High speed is equally efficient for cutting wood or scoring stone and concrete with SKIL Cut-off Wheels.

**equipment:** Combination blade, wrench, rip fence, 3-wire cord and connector. For Model 686 with steel carrying case, order Model 886.

### specifications

**blade diameter:** 6".

**cutting capacity:** Vertically, 1 $\frac{5}{8}$ ". At 45°, 1 $\frac{7}{16}$ ".

**base adjustments:** For depth of cut from  $\frac{1}{16}$ " to 1 $\frac{5}{8}$ ". Tilts 45° for bevel cuts.

**motor:** Universal for D.C. or A.C. up to 60 cycles.

**voltage:** Standard voltage, 115. Furnished for 220 volts at no extra cost.

**no-load speed:** 6000 r.p.m.

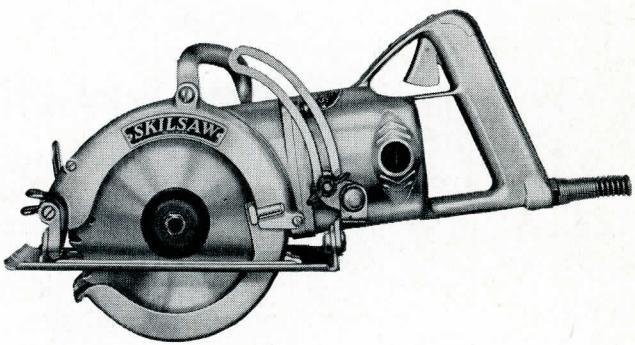
**switch:** Enclosed, double-pole, momentary contact trigger switch.

**blade guard:** Automatic telescoping guard, shields saw blade when not cutting. Equipped with safety retractor handle.

**length overall:** 10".

**net weight:** 10 $\frac{1}{2}$  lbs.

**shipping weight:** 16 lbs.



## SKIL **6"** Saw

model 67  
1 7/8" depth of cut

For cutting sub-flooring, sheathing and siding, Model 67 offers maximum power in a saw of this size. Recommended for trimming plywood sheets, sheathing, paneling, interior trim and similar light construction duties.

Proved durability makes it a preferred tool with jobbing contractors for home remodeling, garage building and comparable jobs. Has high utility value in industrial plants for light maintenance, crating, opening shipping cases, and general carpentry of all types. Suitable for scoring tile, concrete and limestone with SKIL Cut-off Wheels. Visible oil level indicator.

**equipment:** Steel carrying case; combination blade; 3-wire cord with connector; wrench; lubricant.

### specifications

**blade diameter:** 5 $\frac{7}{8}$ ".

**cutting capacity:** 1 $\frac{7}{8}$ " maximum.

**motor:** Universal, D.C. or A.C. up to 60 cycles.

**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.

**switch:** Enclosed double pole, momentary contact trigger switch.

**free speed of blade:** 3400 r.p.m.

**base adjustments:** 0° to 1 $\frac{7}{8}$ " vertical depth of cut. 0° to 45° bevel adjustment. 1 $\frac{3}{16}$ " depth of cut at 45°.

**bearings:** Ball bearings throughout.

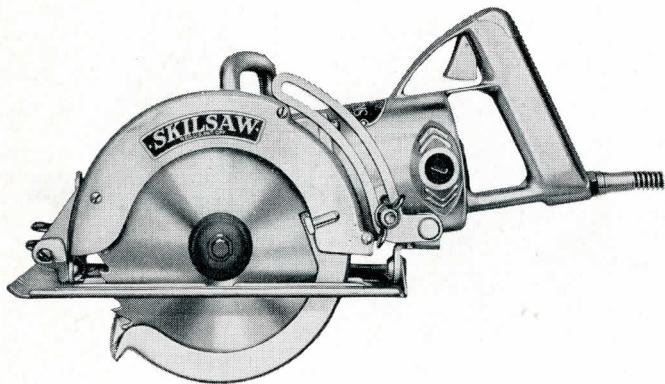
**guard:** Safety telescoping guard shields blade when not cutting. Handle for retracting guard manually.

**blower:** Clears sawdust from line of cut.

**length overall:** 15 $\frac{1}{2}$ ".

**net weight:** 11 $\frac{3}{4}$  lbs.

**shipping weight:** 25 $\frac{1}{4}$  lbs.



## SKIL 7 1/4" Saw

model 77  
2 3/8" depth of cut

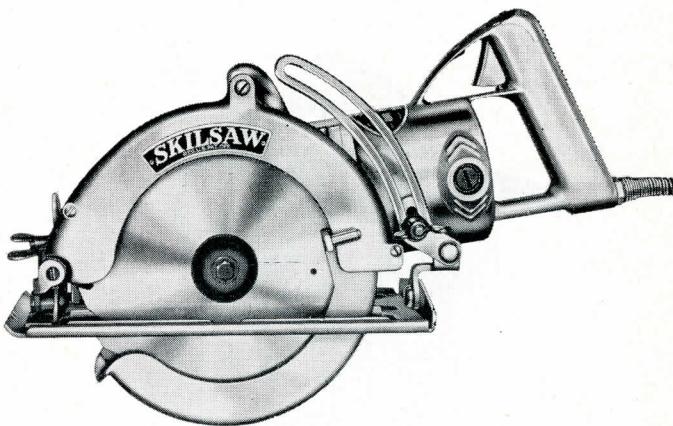
The greatest value and most popular model of portable electric saw. Cross-cuts 2" rough lumber and bevel-cuts 2" dressed lumber at 45°, making it the minimum size saw for general construction use. Features full adjustment for depth of cut, high-torque cutting capacity, light weight plus scientifically placed handles for either one-hand or two-hand operation in any position.

Widely chosen by carpenters and contractors for small construction projects. Particularly useful for form work, remodeling in commercial buildings and factories, for building stock bins and partitions. Cuts metals, stone, concrete, tile and many composition materials with special SKIL Blades. Visible oil level indicator.

**equipment:** Steel carrying case; combination blade; 3-wire cord with connector; wrench; lubricant.

### specifications

**blade diameter:** 7 1/4". **cutting capacity:** 2 3/8" maximum.  
**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole, momentary contact type.  
**free speed of blade:** 3200 r.p.m. Slow speed of 850 r.p.m. available on order at extra cost for special heavy duty cutting applications.  
**base adjustments:** 0° to 2 3/8" vertical depth of cut. 0° to 45° bevel adjustment. 1 3/4" depth of cut at 45°.  
**bearings:** Ball bearings throughout.  
**guard:** Safety telescoping guard shields blade when not cutting. Handle for retracting guard manually.  
**blower:** Clears sawdust from line of cut.  
**length overall:** 17 1/4".  
**net weight:** 15 3/4 lbs.  
**shipping weight:** 32 lbs.



## SKIL 8 1/4" Saw

model 825  
2 5/8" depth of cut

A powerful, heavy-duty SKIL Saw for day-long sawing of all kinds. Built to withstand hard use in gang-cutting on large construction projects, sawing 2" rough lumber for framing members. Bevel-cuts lumber up to 2 1/8" at 45°, and will continue to cut 2" dressed lumber at 45° even after blade has been sharpened many times. The contractor's favorite saw for constant use on general home construction jobs.

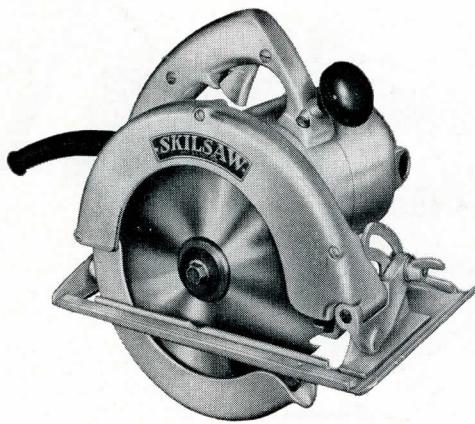
Recommended for use with Model 464 Radial Support when work demands that high production of pre-formed pieces be maintained. With special SKIL Blades, Model 825 cuts 1/2" aluminum, copper and lead sheets, as well as other metals, stone, tile and composition materials. Visible oil level indicator.

**equipment:** Steel carrying case; combination blade; 3-wire cord with connector; wrench; lubricant.

### specifications

**blade diameter:** 8 1/4". **cutting capacity:** 2 5/8" maximum.  
**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole, momentary contact type.  
**free speed of blade:** 3000 r.p.m. Slow speed of 850 r.p.m. available on order at extra cost for special heavy duty cutting applications.  
**base adjustments:** 0° to 2 5/8" vertical depth of cut. 0° to 45° bevel adjustment. 2 1/8" depth of cut at 45°.  
**bearings:** Ball bearings throughout.  
**guard:** Safety telescoping guard shields blade when not cutting. Handle for retracting guard manually.  
**blower:** Clears sawdust from line of cut.  
**length overall:** 18".  
**net weight:** 17 1/4 lbs.  
**shipping weight:** 37 1/2 lbs.

# SKILSAWS



## SKIL 8 1/4" Saw

model 800

2 5/8" depth of cut

A specially designed SKIL Saw for users who prefer a very high blade speed and a right-hand blade mounting. Particularly suited to fast cutting of stone, tile and marble as well as any kind of lumber. High spindle speed of Model 800 is achieved through use of precision-ground, helical gearing which maintains peak power at cutting edge of blade.

This SKIL Saw takes full advantage of SKIL Cut-off Wheels or Carbide-tipped Blades, which perform most efficiently at speeds of 5000-6000 r.p.m. Handle is at center of balance, with auxiliary handle for tough cuts. Wide base for stability.

**equipment:** Steel carrying case; combination blade; 3-wire cord with connector; wrench; lubricant.

### specifications

**blade diameter:** 8 1/4".

**cutting capacity:** 2 5/8" maximum.

**motor:** Universal, D.C. or A.C. up to 60 cycles.

**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.

**switch:** Enclosed double pole, momentary contact trigger switch.

**free speed of blade:** 6000 r.p.m.

**base adjustments:** 1/2" to 2 5/8" vertical depth of cut. 0° to 45° bevel adjustment. 2 1/8" depth of cut at 45°.

**bearings:** Ball bearings throughout.

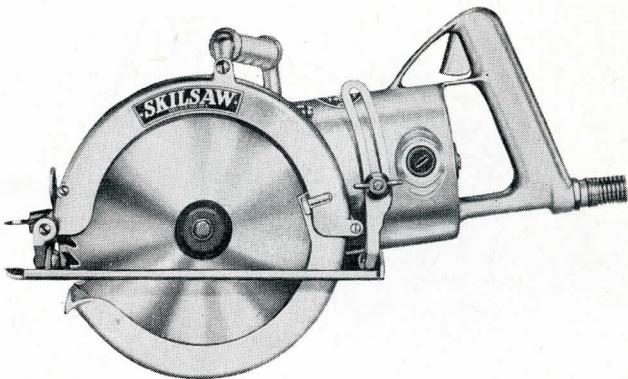
**guard:** Safety telescoping guard shields blade when not cutting.

**blower:** Clears sawdust from line of cut.

**length overall:** 12 1/2".

**net weight:** 17 3/4 lbs.

**shipping weight:** 38 lbs.



## SKIL 9" Saw

model 87

2 7/8" depth of cut

Designed especially for framing of homes, schools, churches, factories and similar large structures where 2" rough lumber is commonly used for studs, joists and rafters. Cross-cuts 3" dressed lumber with ease; bevel-cuts up to 2 3/8" at 45°. Two conveniently placed handles make operation of this powerful saw easy on every job, in any position. Heavy duty motor and precision gears insure long life even when given constant daily use.

An excellent choice for industrial use . . . either production sawing of wood, metal, tile and other materials, or many varied maintenance jobs. Cuts 1/2" aluminum or copper and 1" lead sheets with SKIL Metal Slitting Blade. Visible oil level indicator.

**equipment:** Steel carrying case; combination blade; 3-wire cord with connector; wrench; lubricant.

### specifications

**blade diameter:** 8 15/16".

**cutting capacity:** 2 7/8" maximum.

**motor:** Universal, D.C. or A.C. up to 60 cycles.

**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.

**switch:** Enclosed double pole, momentary contact type. **free speed of blade:** 3200 r.p.m. Slow speed of 750 r.p.m. available on order at extra cost for special heavy duty cutting applications.

**base adjustments:** 1" to 2 7/8" vertical depth of cut. 0° to 45° bevel adjustment. 2 3/8" depth of cut at 45°.

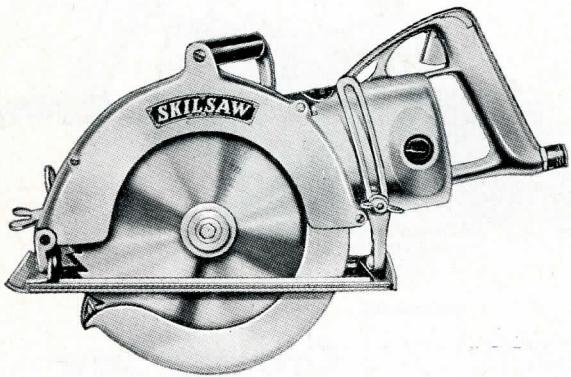
**bearings:** Ball bearings throughout.

**guard:** Safety telescoping guard shields blade when not cutting. Handle for retracting guard manually.

**blower:** Clears sawdust from line of cut.

**length overall:** 19".

**net weight:** 24 1/2 lbs. **shipping weight:** 45 lbs.



## SKIL 10" Saw

model 107  
3 3/8" depth of cut

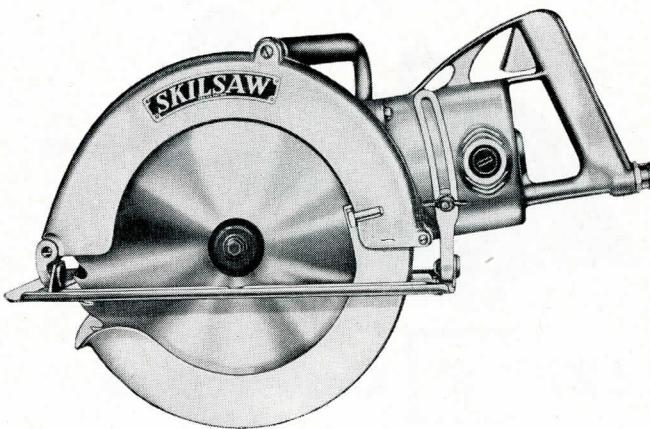
Use this extra-powerful SKIL Saw for cutting heavy timbers and tough, green or resinous woods . . . or for jobs where frequent rip sawing is required. Heavy duty gearing is provided to give high-torque performance and maintain blade speed under load.

For complete dependability on major construction jobs such as dock building, mine bracing and other commercial construction, Model 107 will prove its worth. Excellent for difficult cutting and scoring operations in all types of stone and masonry materials. Cuts 3" diameter lead-covered cable and 5/8" aluminum or copper sheets with special SKIL Blades listed on following pages. Visible oil level indicator.

**equipment:** Steel carrying case; combination blade; 3-wire cord with connector; wrench; lubricant.

### specifications

**blade diameter:** 9 7/8".  
**cutting capacity:** 3 3/8" maximum.  
**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole, momentary contact trigger switch.  
**free speed of blade:** 2900 r.p.m.  
**base adjustments:** 1" to 3 3/8" vertical depth of cut. 0° to 45° bevel adjustment. 2 5/8" depth of cut at 45°.  
**bearings:** Ball bearings throughout.  
**guard:** Safety telescoping guard shields blade when not cutting.  
**blower:** Clears sawdust from line of cut.  
**length overall:** 21".  
**net weight:** 31 1/4 lbs.  
**shipping weight:** 51 1/4 lbs.



## SKIL 12" Saw

model 127  
4 3/8" depth of cut

The most powerful and fastest cutting portable electric hand saw made. Model 127 is the ideal choice where jobs call for portability, yet require maximum power and depth of cut.

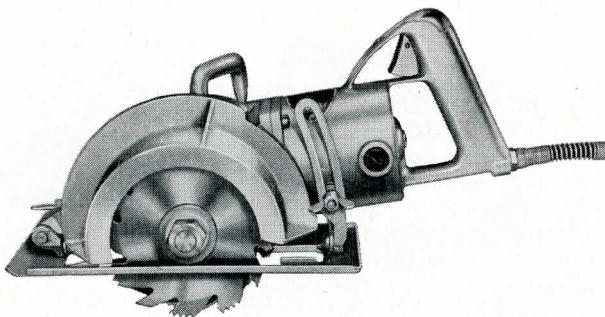
Ideal for mine and bridge construction or shoring, sawing of timbers for dock and dam superstructures. Frequently used for cutting ties in railroad maintenance work and is selected in preference to all other makes wherever continuous crosscut or rip work is done in heavy or green timber. Preferred for scoring and cutting of hard, dense building tile, as well as continuous cutting of copper up to 5/8", lead sheets up to 1" and many other heavy gauge metals. Visible oil level indicator.

**equipment:** Steel carrying case; combination blade; 3-wire cord with connector; wrench; lubricant.

### specifications

**blade diameter:** 11 7/8".  
**cutting capacity:** 4 3/8" maximum.  
**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole, momentary contact trigger switch.  
**free speed of blade:** 2400 r.p.m.  
**base adjustments:** 2 3/8" to 4 3/8" vertical depth of cut. 0° to 45° bevel adjustment. 3 1/4" depth of cut at 45°.  
**bearings:** Ball bearings throughout.  
**guard:** Safety telescoping guard shields blade when not cutting. Handle for retracting guard manually.  
**blower:** Clears sawdust from line of cut.  
**length overall:** 22".  
**net weight:** 34 lbs.  
**shipping weight:** 65 lbs.

# SKILSAWS



## SKIL 6" Groover Saw

model 177  
grooves to 1" wide

For all types of grooving operations in factory production, construction or maintenance work. Particularly useful where size of work makes permanently installed equipment difficult to use, or where the expense of heavy equipment is not warranted. With this special SKIL Saw, jobs that formerly called for two or three men can now be handled by one man.

Model 177 will use a 7 1/4" diameter combination blade for regular cutting as well as the dado blade set listed below. Blades are not supplied as standard equipment.

**equipment:** 3-wire cord with connector; wrench; lubricant.

### 6" Dado Set

for model 177 No. 321

This adjustable dado set consists of two outside cutters, with chippers that permit adjustments from 1/8" to 1" by sixteenths. 3/4" round arbor hole.

### 7 1/4" Combination Blade

for model 177 No. 389

This blade can be used with Model 177 for standard cross-cut and rip sawing in lumber up to 2 3/8". 3/4" round arbor hole.

### specifications

**blade diameters:** Dado set, 6"; combination blade, 7 1/4".  
**arbor shaft:** 3/4" round.

**cutting capacity:** 1" maximum width; 1 3/4" maximum depth. Not recommended for constant grooving at maximum width and depth.

**motor:** Universal, D.C. or A.C. up to 60 cycles.

**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.

**switch:** Enclosed double pole, momentary contact trigger switch.

**free speed of blade:** 3200 r.p.m.

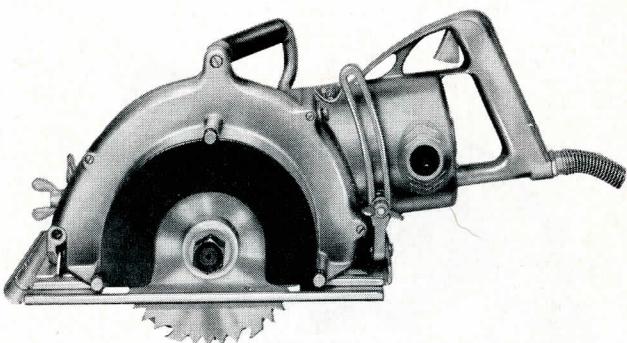
**base adjustment:** 0" to 1 3/4" vertical depth of cut with 6" dado set.

**bearings:** Ball and tapered roller bearings throughout.

**length overall:** 18".

**net weight:** 18 lbs.

**shipping weight:** 28 lbs.



## SKIL 7" Groover Saw

model 117  
grooves to 2 1/16" wide

This saw offers maximum grooving capacity available in a portable tool, with all the advantages of one-man operation. Takes the place of heavy equipment costing many times more.

Model 117 can cut away a cross-section of over four square inches on intermittent duty. It is a necessity for use on heavy millwork, such as grooved staves for wooden storage tanks and vats. Highly adaptable to gang-cutting of similar pieces, and for many jobs previously done by hand on heavy construction projects, in shipyards and similar locations where forming large timbers is a constant problem. Blades not supplied, see listing below.

**equipment:** 3-wire cord with connector; wrench; lubricant.

### 7" Dado Set

for model 117 No. 4559

This adjustable dado set consists of two outside cutters, with chippers that permit adjustments from 1/8" to 2 1/16" by sixteenths. 3/4" round arbor hole.

### 10" Combination Blade

for model 117 No. 390

This blade can be used with Model 117 for standard cross-cut and rip sawing in lumber up to 3 3/8". 3/4" round arbor hole.

### specifications

**blade diameters:** Dado set, 7"; combination blade, 10".  
**arbor shaft:** 3/4" round.

**cutting capacity:** 2 1/16" maximum width; 2 1/16" maximum depth. Not recommended for constant grooving at maximum width and depth.

**motor:** Universal, D.C. or A.C. up to 60 cycles.

**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.

**switch:** Enclosed double pole, momentary contact trigger switch.

**free speed of blade:** 2900 r.p.m.

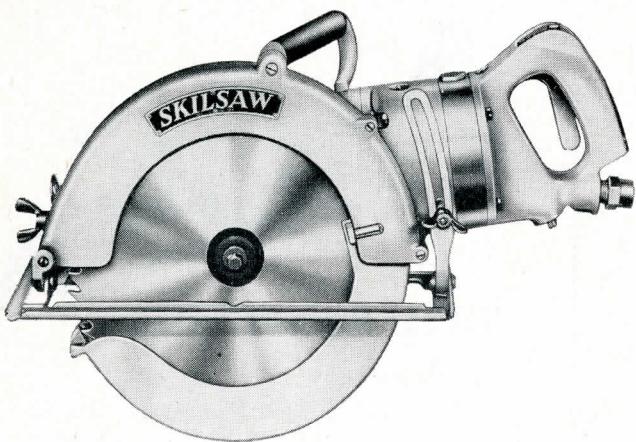
**base adjustment:** 0" to 2 1/16" vertical depth of cut with 7" dado set.

**bearings:** Ball and tapered roller bearings throughout.

**length overall:** 21".

**net weight:** 34 lbs.

**shipping weight:** 53 lbs.



## SKIL 12" Pneumatic Saw

model 2127  
4 3/8" depth of cut

Designed for locations where electric power is not convenient to use, or where wet surroundings make electric tools impractical from a safety standpoint.

Has the ability to withstand toughest abuse in mines, railroad car shops and shipyards; used by contractors specializing in construction of bridges, dams, docks and waterway structures. A great performer in cutting heavy shoring timbers and all types of building stone. Suitable for continuous crosscut or rip work in nearly any material.

Powerful, air-operated motor cannot be harmed by stalling. Easy handling and light in weight for its size and capacity.

**equipment:** Steel carrying case; combination blade; wrench; lubricant.

### specifications

**blade diameter:** 11 7/8".

**cutting capacity:** 4 3/8" maximum.

**motor:** For operation on 80 to 100 lbs. air pressure. Requires approximately 75 cubic feet of free air per minute at maximum power. Use 1/2" I.D. air hose. If length over 25', 3/4" I.D.

**free speed of blade:** 2200 r.p.m.

**base adjustments:** 2 3/8" to 4 3/8" vertical depth of cut. 0° to 45° bevel adjustment. 3 1/4" depth of cut at 45°.

**bearings:** Ball bearings throughout.

**guard:** Safety telescoping guard shields blade when not cutting.

**blower:** Clears sawdust from line of cut.

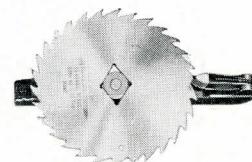
**length overall:** 22".

**net weight:** 32 1/2 lbs.

**shipping weight:** 59 lbs.

## Blade Set

**No. 284**—Fast, accurate, "hammer-set" type. Adjustable for 4" to 12" blades. Place blade on arbor, strike anvil two or three times with hammer on every other tooth; turn blade over and repeat on alternate teeth.



## Blade Files



**No. 210**—This round tapered file keeps gullets between blade teeth round for proper chip clearance and to prevent cracking.

**No. 228**—Specially shaped file for sharpening blade teeth without distortion.

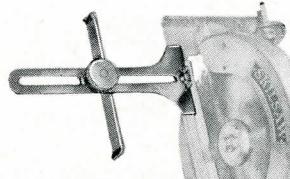
## Blade Stud Wrench

**No. 266**—Fits all current model SKIL Saws.

**No. 200**—"T" handle. Fits all SKIL Saws.

## Adjustable Rip Fence

Eliminates repeated measuring and marking on rip work. Fits on front of saw base; guides saw accurately to cut uniform width.



**No. 9726**—2 1/2" adjustment for Models 67, E, S, J.

**No. 1880**—6" adj. for:

model	volts	serial
77	115	143979, below
77	220	149263, below
87	115	152000, below
87	220	158583, below

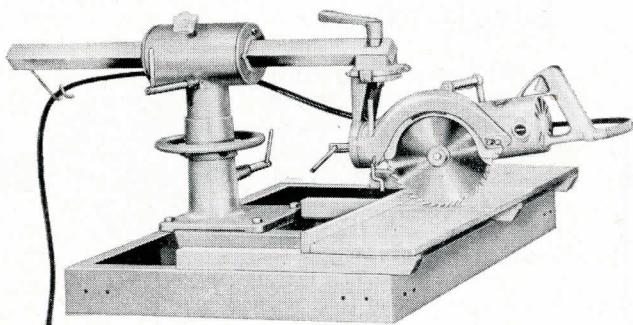
All models O and R

**No. 154**—6" adj. for:

model	volts	serial
77	115	143980, up
77	220	149264, up
87	115	152001, up
87	220	158584, up

All models 800, 825, 107, 127, 2127

# SKIL Radial Support, Saw-Guide



## SKIL Radial Support

model 464—fits SKIL Saw models 77, 825, 87

model 467—fits SKIL Saw model 800

Converts portable SKIL Saw into an efficient radial saw. Quickly attach a SKIL Saw Model 77, 825, 87 or 800 to this radial support and you're set to make all radial saw cuts with speed, ease and precision . . . crosscut, bevel crosscut, rip, bevel rip, miter, bevel miter, dado and plough. You save time and effort on layout—the piece you cut first serves as a pattern for thousands. You save time by gang-cutting similar pieces. You save money by cutting random lengths into usable lumber. Then, saw can be easily detached and used on work that has made portable SKIL Saw famous. SKIL Radial Support is quality-built in every detail; compact, balanced and light enough to be carried easily by two men from job to job.

### maximum width and depth of cut

With Model 77 cuts lumber to 18" wide. 2 $\frac{3}{8}$ " vertical depth of cut, 1 $\frac{3}{4}$ " at 45°.

With Model 825 cuts lumber to 18" wide. 2 $\frac{5}{8}$ " vertical depth of cut, 2 $\frac{1}{8}$ " at 45°.

With Model 87 cuts lumber to 17 $\frac{3}{4}$ " wide. 2 $\frac{7}{8}$ " vertical depth of cut, 2 $\frac{3}{8}$ " at 45°.

With Model 800 cuts lumber to 18" wide. 2 $\frac{5}{8}$ " vertical depth of cut, 2 $\frac{1}{8}$ " at 45°.

### specifications

**arm:** 1 $\frac{3}{4}$ " square rigid steel bar, with front and rear rubber bumpers. Maximum extension, 22 $\frac{1}{2}$ ".

**bearings:** Arm rolls between 8 ball bearings, 4 adjustable for wear.

**vertical adjustment:** 6 $\frac{1}{2}$ " maximum.

**radial range:** 90°; 45° right or left.

**bevel capacity:** 0° to 45°.

**work table size:** 8 $\frac{1}{2}$ " x 40".

**base:** Welded 4" channel steel with bolt holes for steel legs.

**column:** 3" diameter cast iron. Adjusts vertically by means of square thread and hand wheel.

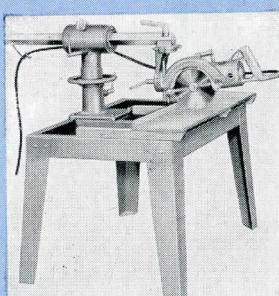
**bracket:** Sturdy cast bracket with adapter assembly.

**lock levers and knobs:** Oversize, for quick, convenient adjustments.

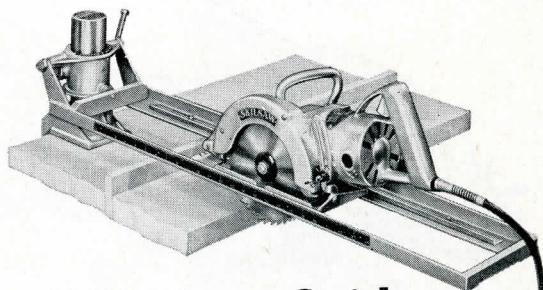
**color scheme:** Soft green to lessen reflections, provide greater eye ease.

**net weight:** 175 lbs., less legs.

**shipping weight:** 220 lbs.



No. 3949 — Extra equipment.  
4 steel legs with 16 bolts, nuts and washers. Net weight, 18 lbs.



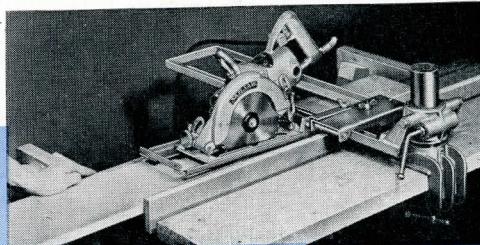
## SKIL Saw-Guide

model 149

Converts SKIL Saw Models 77, 825, 87 and other popular makes to portable radial saws. Low-cost SKIL Saw-Guide offers the many benefits of a radial saw . . . at a fraction of the price. Increased accuracy and production, handling ease and speed in pre-forming lumber make this completely portable tool a money-saver for carpenters, small builders and contractors.

Model 149 sets up in a few minutes to make any framing cut. Attaches to a platform set on two saw horses . . . will crosscut, bevel crosscut, miter, bevel miter, rip and bevel rip . . . with ease, precision and safety. When saw is equipped with proper blade, SKIL Saw-Guide will also dado and plough as well as cut and score metals, stone, composition and other materials.

Illustration shows SKIL Saw-Guide with rip attachment and saw in position for ripping.



### specifications

**capacity:** SKIL Saw Models 77, 825, 87 and other makes having base width of 4 $\frac{13}{16}$ " to 5 $\frac{1}{8}$ ".

**maximum cut-off:** At 90°, approximately 17"; at 45°, approximately 10 $\frac{1}{2}$ ".

**maximum ripping width:** Approximately 28".

**vertical adjustment:** 4 $\frac{1}{4}$ ".

**radial range:** 120°; 60° right or left.

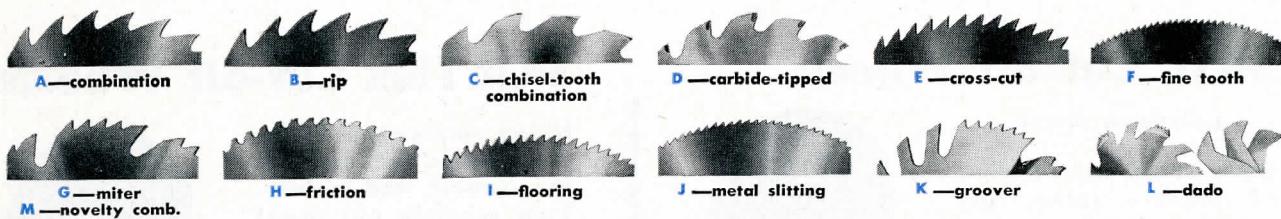
**bevel capacity:** 0° to 45°.

**column:** 2 $\frac{1}{2}$ " diameter tubular steel; adjusts vertically by means of friction locking lever. 6 $\frac{1}{2}$ " high.

**ripping attachment:** Clamps at right angle to guide rail with one wing nut and bolt.

**net weight:** 26 lbs., not including saw.

**shipping weight:** 30 lbs.



**SKIL Blades** Made from an exclusive steel alloy containing manganese, silicon, chrome, nickel and molybdenum, SKIL Blades must pass 16 quality control inspections before packaging. You will find no finer blades for their reasonable cost.

You can now buy SKIL Blades in all standard round arbor

sizes as well as the familiar SKIL Saw diamond arbor and you will find it more economical and convenient to order blades for table saws and other makes of portable saws from one source. Note particularly the dual-arbor feature on all SKIL round arbor blades, whereby any individual blade diameter is usable on 2 arbor sizes. See quantity discounts in price list for savings.

## Diamond Arbor Blades for all SKILSAWS

description		part no.	nominal diam., in.
<b>A—combination</b>		376	5 $\frac{7}{8}$
For crosscut and rip work in soft woods, general carpentry. Most frequently selected, most popular SKIL Saw Blade.		377	7 $\frac{1}{4}$
		388	8 $\frac{1}{4}$
		379	9
		380	10
		382	12
<b>B—rip</b>		9764	10
Specially set for rip work on 10 and 12 inch SKIL Saws only. Smaller SKIL saws use chisel-tooth or combination blades.		330	12
<b>C—chisel-tooth</b>		866	5 $\frac{7}{8}$
Cut 30% faster than standard types. Require less power, decrease vibration and are easier to sharpen. Designed for SKIL Saws, these blades have fewer, much stronger teeth.		867	7 $\frac{1}{4}$
		871	8
		868	8 $\frac{1}{4}$
		869	9
		870	10
		872	12
<b>D—carbide-tipped</b>		9590	7 $\frac{1}{4}$
These remarkable new blades not only stay sharp up to 30 times longer in cutting new lumber, but give excellent service on such hard-to-cut materials as asbestos cement, asphalt siding and other semi-abrasive products which quickly dull regular steel blades.		9598	8 $\frac{1}{4}$
<b>E—cross-cut</b>		9752	5 $\frac{7}{8}$
Gives smoother cross-grain cuts. Also practical for use as combination rip and cut-off blade in hard woods.		356	7 $\frac{1}{4}$
		293	8
		350	8 $\frac{1}{4}$
		357	9
		9763	10
		334	12
<b>F—fine tooth</b>		280	5 $\frac{7}{8}$
For cutting Celotex or similar soft wallboard; $\frac{1}{8}$ " or thinner plastic materials.		366	7 $\frac{1}{4}$
		9744	8
		361	9
<b>G—miter</b>		314	5 $\frac{7}{8}$
Hollow ground for very smooth cutting. Ideal for interior finish and trim.		362	7 $\frac{1}{4}$
		9757	8
		363	9
		9758	10
<b>H—friction</b>		9768	5 $\frac{7}{8}$
For cutting light gauge flat or corrugated sheets of iron, such as metal roofing. Hollow ground. Use only on Model 77 or larger.		9769	8
<b>I—flooring</b>		9775	5 $\frac{7}{8}$
For repairing old floors, cutting crating or used lumber where nails are encountered. Use a blade 1 to 2 inches smaller than maximum saw capacity.		358	7 $\frac{1}{4}$
		348	8
		359	9
		349	10
<b>J—metal slitting</b>		9813	7 $\frac{1}{4}$
No. 9813 cuts $\frac{3}{8}$ " and thicker aluminum, magnesium or lead; No. 9814 cuts copper, brass, $\frac{3}{8}$ " or thinner aluminum and magnesium, plastics $\frac{1}{16}$ " and thicker. Both hollow ground.		9814	7 $\frac{1}{4}$

description		part no.	size, inches
<b>K—groover</b>	For dado and plough operations. Groover blades up to $\frac{3}{8}$ " width may be used on Models 77, 825, 800 and 87 and up to $\frac{1}{2}$ " on Models 107 and 127. To use wider blades on SKIL Saws, the left hand side of their bases should be cut away. All have $5\frac{1}{2}$ " diameters.	300	$\frac{1}{8}$
		9748	$\frac{3}{8}$
		9745	$\frac{1}{4}$
		9746	$\frac{3}{8}$
		9747	$\frac{1}{2}$
		9759	$\frac{3}{4}$
		9751	$\frac{5}{8}$

## Round Arbor Blades for other Portable and Table Saws

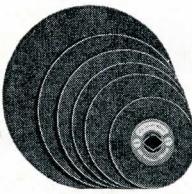
description		part no.	diam. Inches	arbor, inches
<b>B—rip</b>	For maximum speed in cutting with grain. Similar to crosscut in tooth shape, but has more set.	12600	6	$\frac{1}{2}$ , $\frac{5}{8}$
		12601	8	$\frac{1}{2}$ , $\frac{5}{8}$
		12602	9	$\frac{5}{8}$ , $\frac{3}{4}$
		12603	10	$\frac{5}{8}$ , $\frac{3}{4}$
		12604	12	$\frac{3}{4}$ , 1
<b>C—chisel-tooth combination</b>	For general-purpose and rip cutting. Fewer, stronger teeth require less power, cut faster.	12610	6	$\frac{1}{2}$ , $\frac{5}{8}$
		12611	8	$\frac{1}{2}$ , $\frac{5}{8}$
		12612	9	$\frac{5}{8}$ , $\frac{3}{4}$
		12613	10	$\frac{5}{8}$ , $\frac{3}{4}$
		12614	12	$\frac{3}{4}$ , 1
<b>E—crosscut</b>	Gives smoother cuts, fewer splinters when sawing across or at angles to the grain. May be used as a general-purpose blade in hardwoods.	12620	6	$\frac{1}{2}$ , $\frac{5}{8}$
		12621	8	$\frac{1}{2}$ , $\frac{5}{8}$
		12622	9	$\frac{5}{8}$ , $\frac{3}{4}$
		12623	10	$\frac{5}{8}$ , $\frac{3}{4}$
		12624	12	$\frac{3}{4}$ , 1
<b>M—novelty combination</b>	A good choice for general use in cabinet work. Produces smooth cuts with or across grain.	12630	6	$\frac{1}{2}$ , $\frac{5}{8}$
		12631	8	$\frac{1}{2}$ , $\frac{5}{8}$
		12632	9	$\frac{5}{8}$ , $\frac{3}{4}$
		12633	10	$\frac{5}{8}$ , $\frac{3}{4}$
		12634	12	$\frac{3}{4}$ , 1
<b>G—miter</b>	Similar to novelty combination, but hollow ground and not set, giving smoothest possible cuts for top grade work.	12640	6	$\frac{1}{2}$ , $\frac{5}{8}$
		12641	8	$\frac{1}{2}$ , $\frac{5}{8}$
		12642	9	$\frac{5}{8}$ , $\frac{3}{4}$
		12643	10	$\frac{5}{8}$ , $\frac{3}{4}$
		12644	12	$\frac{3}{4}$ , 1
<b>I—flooring</b>	For cutting flooring and lath. Will cut occasional nails encountered in remodeling work if sharpened frequently.	12660	6	$\frac{1}{2}$ , $\frac{5}{8}$
		12661	8	$\frac{1}{2}$ , $\frac{5}{8}$
		12662	9	$\frac{5}{8}$ , $\frac{3}{4}$
		12663	10	$\frac{5}{8}$ , $\frac{3}{4}$
		12664	12	$\frac{3}{4}$ , 1
<b>F—fine tooth</b>	Recommended for cutting soft materials such as Celotex without tearing; also for small plastic extrusions and plastic sheets up to $\frac{1}{8}$ ".	12670	6	$\frac{1}{2}$ , $\frac{5}{8}$
		12671	8	$\frac{1}{2}$ , $\frac{5}{8}$
		12672	10	$\frac{5}{8}$ , $\frac{3}{4}$
<b>L—dado</b>	Both sizes cut to maximum of $\frac{1}{8}$ ". Consists of two $\frac{1}{8}$ " outer saws plus 3 chippers, giving an adjustment range from $\frac{1}{8}$ " to $\frac{1}{8}$ " by sixteenths.	12676	6	$\frac{5}{8}$
		12677	8	$\frac{5}{8}$

# SKIL Cut-off Wheels

## SKIL Cut-off Wheels

### (abrasive discs)

for scoring and cutting of concrete, stone, tile, marble, slate, iron and alloy steels



Highest quality electric furnace abrasives are used. All discs are bonded with phenol-resin or rubber for strength and longer life. Steel insert reinforces arbor hole to eliminate breakage. Order carefully for each specific kind of work.

**for concrete:** Used for cement, concrete, mortar, building brick, haydite block, precast stone, glazed brick, terra cotta, ar-ke-tex tile, firebrick, roofing and sewer tiles, limestone, terrazzo, art marble and building tiles.

\*For 8" and larger saws only.

**for tile:** Used for harder tiles and other manufactured ceramic, clay and stone products generally having a dense, non-porous surface structure, such as glazed and ceramic tiles.

**for marble:** For all marbles, slate, Wisconsin lannon, travatex. Group covers highly compressed natural and artificial substances sufficiently close in texture to permit polishing; materials which cleave in flat sheets; hard rubber base materials.

**for granite:** Granite and crab orchard stone can be cut only by successive scoring. Only marble cutting discs should be used. Materials such as refractory brick and non-slip tiles of electric furnace abrasives cannot be cut with Cut-off Wheels.

**for asbestos cement sheets:** Used for hard compressed asbestos, also plastics such as bakelite and other close textured manufactured rigid materials of fibrous rather than granular structure.

**for cast iron:** For ferrous metals of low tensile strength, as cast iron; also non-ferrous metals as bronze and Monel.

**for alloy steels:** Used for high tensile strength metals generally ferrous, including alloy steels, angles, bars and rods.

part no.	nominal size, in.
7939	6x $\frac{1}{8}$
7940	6x $\frac{3}{16}$
7941	6x $\frac{1}{4}$
7942	6x $\frac{3}{8}$
7943	7 $\frac{1}{4}$ x $\frac{1}{8}$
7981	7 $\frac{1}{4}$ x $\frac{3}{16}$ *
7944	8x $\frac{1}{8}$
7945	8x $\frac{1}{4}$
7946	9x $\frac{1}{8}$
7947	10x $\frac{1}{8}$
7948	12x $\frac{1}{8}$
7949	6x $\frac{1}{8}$
7950	7 $\frac{1}{4}$ x $\frac{1}{8}$
7951	8x $\frac{1}{8}$
7952	9x $\frac{1}{8}$
7953	10x $\frac{1}{8}$
7954	12x $\frac{1}{8}$
7955	6x $\frac{1}{8}$
7956	6x $\frac{3}{16}$
7957	6x $\frac{1}{4}$
7958	7 $\frac{1}{4}$ x $\frac{1}{8}$
7959	8x $\frac{1}{8}$
7960	9x $\frac{1}{8}$
7961	10x $\frac{1}{8}$
7962	12x $\frac{1}{8}$

7939	6x $\frac{1}{8}$
7964	7 $\frac{1}{4}$ x $\frac{1}{8}$
7965	8x $\frac{1}{8}$
7946	9x $\frac{1}{8}$
7967	10x $\frac{1}{8}$
7968	12x $\frac{1}{8}$
7969	6x $\frac{1}{8}$
7970	7 $\frac{1}{4}$ x $\frac{1}{8}$
7971	8x $\frac{1}{8}$
7972	9x $\frac{1}{8}$
7973	10x $\frac{1}{8}$
7974	12x $\frac{1}{8}$
7975	6x $\frac{1}{8}$
7976	7 $\frac{1}{4}$ x $\frac{1}{8}$
7977	8x $\frac{1}{8}$
7978	9x $\frac{1}{8}$
7979	10x $\frac{1}{8}$
7980	12x $\frac{1}{8}$

see price list for quantity discounts

## SKIL Flex Cut-off Wheels

Nylon reinforced, resinoid bonded for durability, speed and safety. Two wheels cut most metal and masonry materials.



100% electric furnace abrasives — resinoid bonded and reinforced with yards of interwoven Nylon cord. This construction results in a wheel which will "give" without shattering. Makes SKIL Saw practical for cutting many difficult materials.

More economical to use on many types of work because of reduced breakage and replacement time. May be used by less experienced men and can be fed into work faster.

Only two wheels are necessary to cut most metals, stone and masonry materials. Also available with  $\frac{5}{8}$ " round arbor hole to fit SKIL Tuckpointing Grinder and other tools of this arbor size.

### SKIL Flex Cut-off Wheels:

For cutting hard metals, steel, stainless steel, cast iron, hard brass, hard bronze, etc. Aluminum oxide abrasive.

Part No.	Size
11640	7 $\frac{1}{8}$ " x $\frac{1}{8}$ "
11641	8 $\frac{1}{8}$ " x $\frac{1}{8}$ "
11642	8 $\frac{7}{8}$ " x $\frac{1}{8}$ "

For cutting masonry, firebrick, non-metals, and for soft, non-ferrous metals. Silicon carbide abrasive.

Part No.	Size
11643	7 $\frac{1}{8}$ " x $\frac{1}{8}$ "
11644	8 $\frac{1}{8}$ " x $\frac{1}{8}$ "
11645	8 $\frac{7}{8}$ " x $\frac{1}{8}$ "

### SKIL Flex Pointing Wheels (5/8" diameter arbor holes):

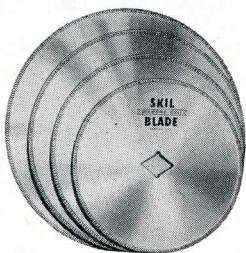
For lime and cement mortar, brick, concrete, and similar materials. Silicon carbide abrasive.

Part No.	Size
11646	8" x $\frac{1}{8}$ "
11647	8" x $\frac{3}{16}$ "

see price list for quantity discounts.

# SKIL Diamond Grit Blades, Lubricants

## SKIL Diamond Grit Blades



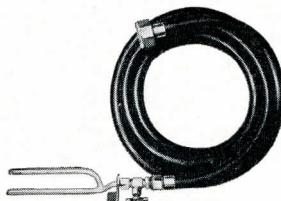
for faster cutting of all stone and masonry materials including: brick, concrete, glass, tile, marble, all asbestos cement products.

Embedded diamond grit gives this SKIL Saw Metal Blade a faster-working, longer-lasting edge that cuts all stone and masonry materials cleaner, smoother and without dust. Outlasts abrasive discs 5 to 1 . . . there's only  $\frac{1}{8}$ " loss of radius during the entire life of the blade. Saves time . . . eliminates need of frequent adjustment of saw base when doing scoring work. It's shatterproof . . . no danger of flying pieces of abrasive. It's dustless . . . a practical, easy-to-install water attachment supplies water to point of cut. This blade cannot be used dry. See SKIL Water Feed Attachment below.

Thickness: .040 in., light duty; .050 in., medium; .064 in., heavy duty. Blades marked (\*) are recommended for general use. They are stocked by your distributor. All other blades are available on special order.

part no.	nominal size, in.	fits SKIL Saw model no.
*341	7 x .050	77
9774	8 x .040	800 & 825
*344	8 x .050	800 & 825
370	9 x .040	87
371	9 x .050	87
*372	9 x .064	87
373	10 x .040	107 & 127
374	10 x .050	107 & 127
*375	10 x .064	107 & 127

## SKIL Water Feed Attachment



Easily attached to current model SKIL Saws. Perforated fork supplies water for both sides of blade. Equipped with 10 ft. of hose with standard connection for attaching to faucet or extension water hose. Must be used with Diamond Grit Blades, may be used with Cut-off Wheels.

**No. 5750**—For all SKIL Saws except Model 800.  
**No. 5748**—For Model 800.



## SKIL Lubricants

Always use genuine SKIL Lubricants to insure positive lubrication under the most severe operating conditions. Developed and formulated after long research as the best protective lubricants available for SKIL Tools.

### TYPE A

**No. 249**—tube  
**No. 264**—pint can  
**No. 267**— $\frac{1}{2}$  gal. can

SKIL Saws with leather oil seals:

**Models 67, 107, 117, 127, 825, 2127.**

**Model 77**, 110 volts, serial No. 145700 and above.

All other voltages, serial No. 149514 and above.

**Model 87**, 110 volts, serial No. 151866 and above.

All other voltages, serial No. 158578 and above.

All saws with serial prefix "A".

SKIL Belt Sanders with worm gear case.

SKIL Polisher, **Model 307**

### TYPE B

**No. 222**—tube  
**No. 221**—2 lb. can  
**No. 223**—5 lb. can

SKIL Saws without leather oil seals:

**Models E, J, M, O, R, S, W, 177, 77G, OG, 800.**

**Model 77**, 110 volts, serial No. 145699 and below.

All other voltages, serial No. 149513 and below.

**Model 87**, 110 volts, serial No. 151865 and below.

All other voltages, serial No. 158577 and below.

See Type A for saw serial Nos. Prefixed "A".

SKIL Belt Sander, **Models A, B.**

### TYPE C

**No. 252**—tube  
**No. 251**—2 lb. can  
**No. 9742**—5 lb. can

For SKIL Disc Sanders, Drills, Drivers, Nibbler, **Model 570** Polisher, Portable Grinders and chain case of Belt Sanders

### TYPE D

**No. 276**— $\frac{1}{2}$  lb. tube  
**No. 277**—2 lb. can  
**No. 278**—5 lb. can

For SKIL Edger, **Models SE, 10**

#### NOTE:

Lubricant recommendations for SKIL Home Shop and Homebuilders tools are listed in the catalog covering these lines.

# SKIL Extension Cords



## Extension Cords

### heavy duty

These extension cords are manufactured of heavy duty flexible stranded copper, all rubber covered. Only this quality assures long life under severe outdoor service.

Powerful SKIL Saws and other portable tools, when used with extension cords, require cords of sufficient gauge size to prevent harmful drop in voltage when the tool is under load.

Distance from outlet to where the tool is used governs the size required. It is essential to use heavier gauge wire as distance from outlet increases.

#### 2-conductor extension cords with standard connectors

no.	length	gauge
203	50'	14
206	100'	14
201	50'	12
207	100'	12
204	100'	10

#### 3-conductor extension cords less connectors

no.	length	gauge
432	50'	14
433	100'	14
434	50'	12
435	100'	12
436	100'	10

## Connectors

#### connectors for SKIL tool extension cords

##### heavily armored to prevent breakage standard connectors

- No. 9732—Male, straight, 2 prong to fit wall receptacle.
- No. 9739—Female, straight, 2 cavity.
- No. 257—Male, straight, 3 prong.
- No. 259—Female, straight, 3 cavity.

##### twist lock connectors

- No. 233—Male, 2 Prong.
- No. 234—Female, 2 Cavity.
- No. 430—Male, 3 Prong.
- No. 431—Female, 3 Cavity.

## Extension Cord Gauge Recommendations

Belt Sanders	length	50'	100'	150'	200'	300'	gauge
325		18	16	16	14	12	
448, 449		16	14	12	12	10	
323, 324		14	14	12	10	8	

### Blowers

25		18	18	18	16	14
26, 28		18	18	16	14	12
27		14	14	12	10	8
29		16	14	12	12	10

### Disc Sanders

11		18	16	14	12	10
12, 14, 551		18	16	14	12	12
13, 540		14	14	12	10	8

### Drills

45, 47, 49, 241, 269		18	18	18	16	16
242, 244, 250, 260		18	18	18	16	14
243, 253, 281		18	18	16	14	12
64, 80		18	16	16	14	12
83, 101, 121, 141, 283, 326, 327, 328, 329, 351, 571, 573, 2101, 2121		18	16	14	12	12
103, 331, 572, 2103		18	16	14	12	10
123, 143, 163, 332, 333, 443		16	14	12	12	10

### Drivers

1/4" all models		18	18	18	16	16
3/8" all models		18	18	16	14	12
1/2" all models		18	16	14	12	10

### Floor Sanders

10		14	12	10	10	8
301		12	12	10	8	6

### Grinders

15, 465		16	16	14	12	10
16, 142		16	14	12	12	10
171		18	18	16	16	14

### Hammer

437		16	16	14	12	10
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### Plane

190		16	16	14	12	12
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### Polisher

570		18	16	14	12	12
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### Radial Saw

2 HP 115V 1 phase		12	12	10	8	6
2 HP 230V 1 phase		14	14	12	10	8
3 HP 115V 1 phase		10	8	6	—	—
3 HP 230V 1 phase		12	12	10	8	6
2 HP 220V 3 phase		16	16	14	12	12
3 HP 220V 3 phase		16	14	12	12	10
5 HP 220V 3 phase		14	12	10	10	8

### Saws

67		16	16	14	12	10
77, 177		16	14	12	10	8
800, 825		14	14	12	10	8
87		12	12	10	8	8
107, 117, 127		12	12	10	8	6

### Valve Seat Grinders

318		18	18	16	16	14
319		18	16	16	14	12

# SKIL Radial Saw

only

## SKIL Radial Saw

### has all these features!

All mechanical and electrical controls are accessible from front.

Sawing head glides on retractable arm for finger-tip operation.

Supporting arm bearings are adjustable for precise alignment.

Larger work table has adjustable fence for maximum cut-off capacity.

Heavier supporting column gives maximum rigidity.

One-piece saw guard is quickly removable.

Table leveling screws are simple to adjust.

Larger, easy-to-read scales enable quick adjustments.

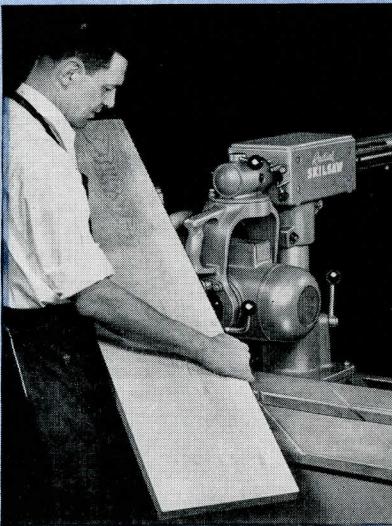
Plenty of set-up room provided by retractable arm.

Patented, contour-grip handle is comfortable for day-long use.

One-piece saw guard can be removed, or replaced, in seconds without any tools. No loose parts to lose in sawdust.

Retractable elevator handle in front permits fast adjustments in full view of work, and without leaving work station.

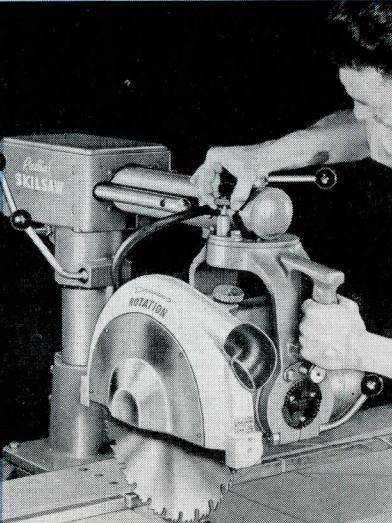
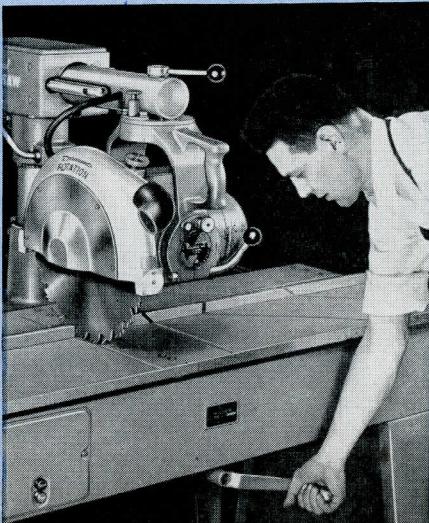
With sawing head fully retracted, maximum room is available for setting up work . . . positioning material.



There's no ducking or bending to see layout marks with this convenient retractable arm.

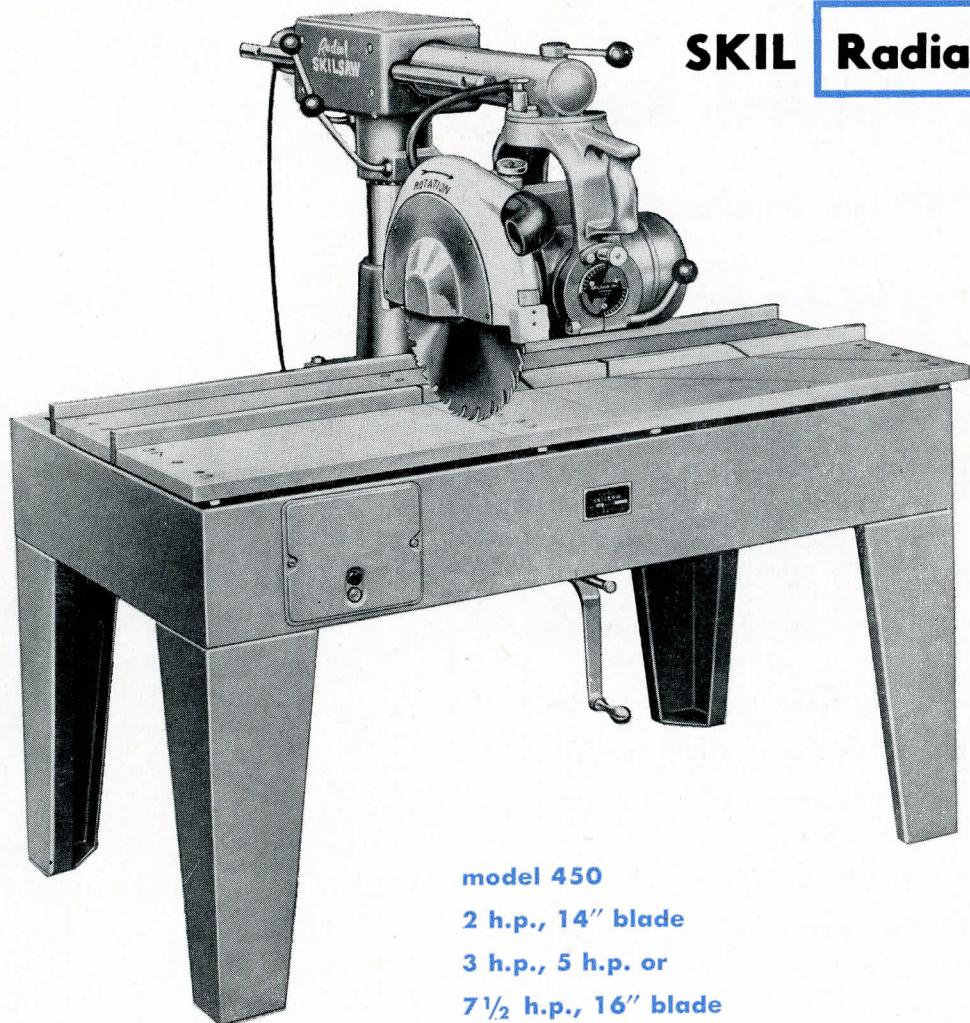


Plunger pin locks provide rapid adjustments of sawing head. Tapered design holds settings rigidly, allows wear without developing play.



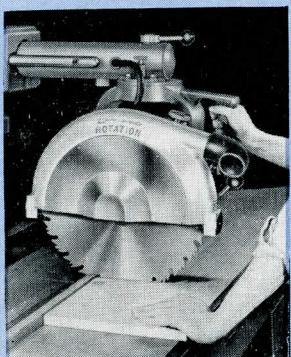
**SKIL**  
PORTABLE TOOLS

# SKIL Radial Saws

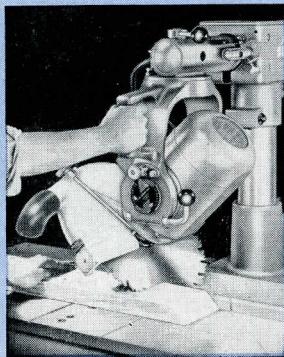


SKIL Radial Saw

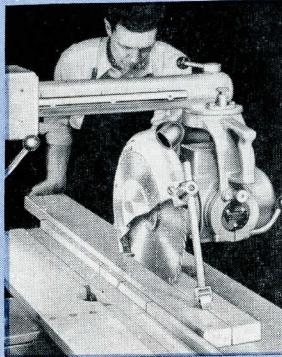
model 450  
2 h.p., 14" blade  
3 h.p., 5 h.p. or  
7 1/2 h.p., 16" blade



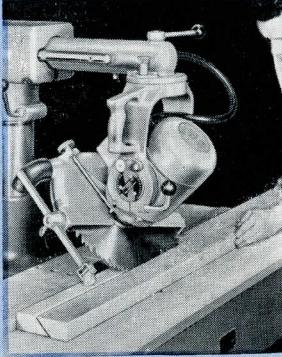
cross-cut



bevel cross-cut



rip



bevel rip

**capacity:** The improved SKIL Radial Saw gives the contractor or builder a complete construction workshop . . . a versatile machine that makes any cut, grooves and shapes as well. Model 450 is easily operated with speed and precision by one man. It features design characteristics providing faster, more accurate cuts, easier control, quicker job changes. Where top production sawing is called for, use SKIL Radial Saw.

**motors:** All SKIL Radial Saws (except Nos. 45082, 45083 and 45084) are supplied with totally enclosed motors. This type of housing guarantees less maintenance and longer life since it prevents entry of sawdust, dirt and moisture, with no sacrifice in motor efficiency.

**controls:** With SKIL Radial Saw, the operator adjusts all controls without leaving the operating position. Column elevating handle is centered at front of table for quick, precise adjustments . . . is retractable when not in use. One turn raises or lowers blade exactly  $\frac{1}{8}$ ". Handy levers permitting bevel and miter adjustments are also easily controlled from front. Motor switch panel is conveniently located at left front of table, controls recessed to prevent accidental starting. Either magnetic or manual controls may be ordered with most SKIL Radial Saws. Magnetic type switch provides automatic shut-off in case of overload or power failure. This prevents motor damage or accidental starting after a current stoppage. Manual control gives overload protection only.

**bearings:** Double-row ball bearings in housing rigidly support retractable arm, yet permit fingertip control. Bearings at top front and lower rear are adjustable for the life of the machine. This exclusive feature means precise alignment and constant accuracy by means of quick, simple adjustments.

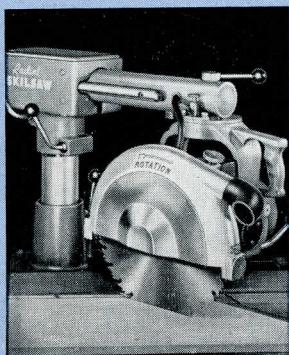
**retractable arm:** Tubular design, cast iron construction for greatest rigidity. Hardened, precision-ground steel rails are attached at sides. Tapered pins give fast, accurate positioning of work head for straight cut-off,  $45^\circ$  right or left miter cuts and ripping. Precise settings for ripping are easily made with ripping scales on arm.

**supporting head:** Has box type design, cast iron construction, with eight widely spaced, permanently lubricated ball bearings. Two load-carrying bearings are double-row and are provided with hardened and ground V-shaped steel tires. This alignment gives three-point contact with supporting guide rails, with adjustment for wear. Rails are equipped with felt wipers.

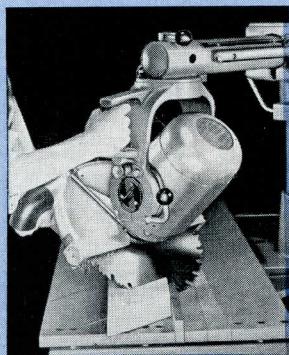
**column:** Nickel-chrome, gray iron, accurately machined and ground. Has a degree scale for precision setting at any desired angle. One complete turn of elevating handle raises or lowers column exactly  $\frac{1}{8}$ ".

**yoke:** Heat-treated aluminum for maximum strength, rigidity and light weight.

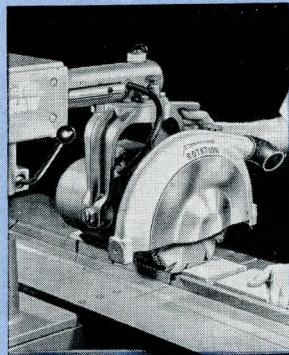
**equipment:** Combination blade; wrench; anti-kickback for ripping.



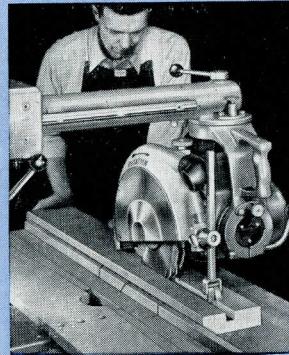
miter



bevel miter



dado



plough

# SKIL Radial Saws

## cut-off capacities

	lumber thickness, inches	max. width of cut, inches
14" blade	1	19
	2	16½
16" blade	1	19
	2	17
	4	16½

(Above figures based on dressed lumber and with rip fence in rear position.)

**maximum depth of cut:** 3 $\frac{3}{16}$ " with 14" blade; 3 $\frac{5}{8}^{**}$  with 16" blade.

\*4½" lumber can be cut by placing a ½" or wider strip of lumber in front of rip fence with latter in forward position.

**maximum rip width:** 33 $\frac{1}{4}$ ", using rear backstop; 25 $\frac{1}{4}$ " with fence in rear position.

**speed:** 3500 r.p.m. at 60 cycles; 2900 r.p.m. at 50 cycles.

**depth of work table:** 11 $\frac{1}{4}$ ". (Fence may be moved back 2" to increase depth to 13 $\frac{1}{4}$ " or removed entirely to utilize rear backstop for maximum rip width.)

**size of frame:** 4', 4½" long x 2', 6½" wide x 2', 8" high.

**arbor hole:** 1" diameter.

**dado capacity:** 1½".

**floor space required, maximum:** 4½' x 5'.

**net weight:** 475 lbs. (approximate).

**shipping weight:** 650 lbs. (approximate).

**cubic contents:** 41.6 cubic feet.

## code numbers for SKIL Radial Saw, Model 450 (specify code number when ordering)

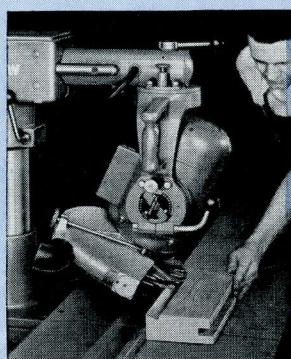
h.p.	cycle	blade diam. inches	1-PHASE		3-PHASE			
			manual control	magnetic control	manual control		magnetic control	
			115/230 Volts	115/230 Volts	220* Volts	550 Volts	220* Volts	550 Volts
2	60	14	45001	45003	45007	45010	45013	45019
	50	14	45025	45004	45027	45030	45014	45020
3	60	16	45002	45005	45008	45011	45015	45021
	50	16	45026	45006	45028	45031	45016	25022
5	60	16		45082 (230 volts only)	45009	45012	45017	45023
	50	16			45029	45032	45018	45024
7½	60	16					45083	45084

NOTE: 2-phase, 3-wire and 2-phase, 4-wire SKIL Radial Saws are available on special order. These models can be furnished in 2, 3 or 5 H.P.; 50/60 cycle; 220/440 or 550 volts; with manual or magnetic control.

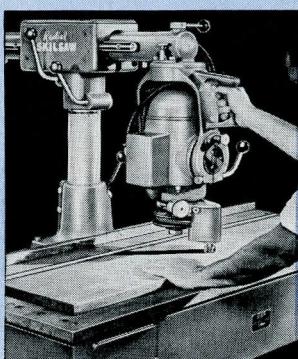
\*Code numbers in this column are also available in 440 volts; specify 440 volts in addition to code number when ordering, except for Nos. 45009, 45017, 45018, 45029 and 45083 which are 220/440 dual voltage units.



rabbet



bevel rabbet



shape, rout



cut metals

## SKIL Radial Saw

**motor-generator  
trailer unit**

**MODEL 461**

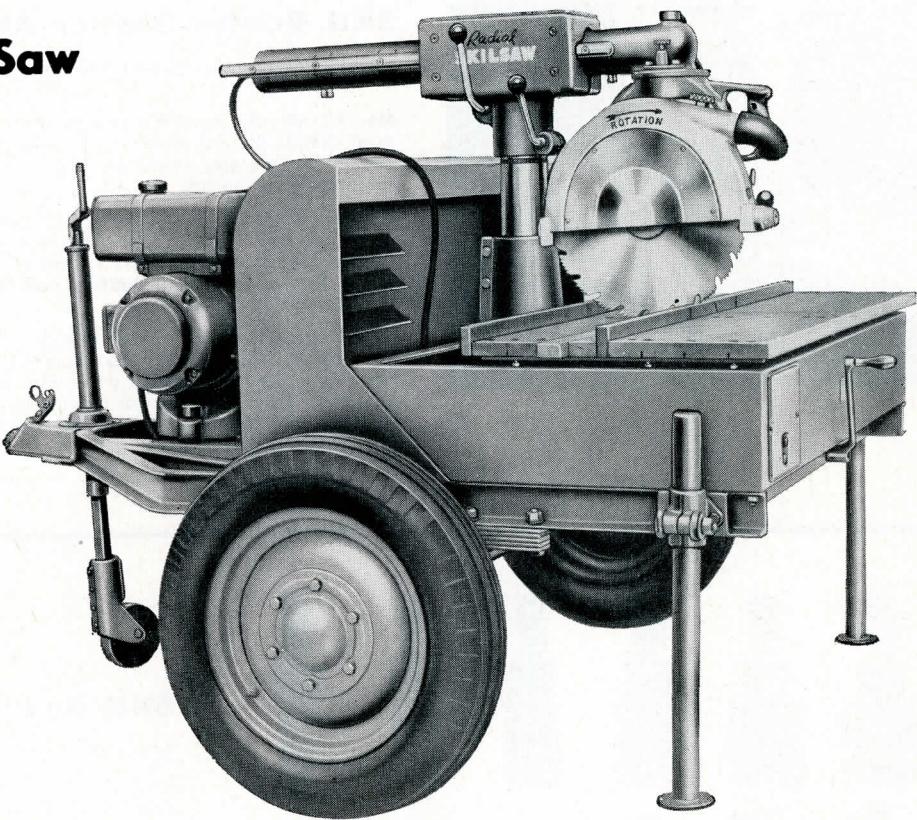
2 h.p., 14" blade

**MODEL 462**

3 h.p., 16" blade

**MODEL 463**

5 h.p., 16" blade



You can have the famous SKIL Radial Saw right on the job—regardless of location or power supply—with this completely self-contained unit. Consists of SKIL Radial Saw and motor-generator mounted together on a sturdy, free-rolling trailer . . . easily attached to standard hitch in seconds . . . goes anywhere, works anywhere. Ideal for heavy construction use, housing developments in unimproved areas, government projects or wherever a high production workshop of great mobility and utmost convenience is required.

SKIL Radial Saw makes every cut—from simple cross-cuts to difficult grooving and shaping operations—faster, more accurately. Control is easier, job change-over faster . . . no wasted time, no cutting bottle-necks. Speedy radial saw adjustments mean more production per manhour, more profits.

Motor is opposed two cylinder, 4-cycle, air cooled, internal combustion type. In addition to supplying 220 volt, 3-phase current for SKIL Radial Saw, a 115 volt, 1000 watt, 1-phase outlet

is provided, permitting simultaneous use of other electrical equipment—lights, saws, drills, sanders.

Trailer is furnished complete with standard disc wheels and tires, large sawdust shield, two retractable table supports, universal hitching socket and third wheel with screw-type trailer leveling adjustment.

See preceding pages for radial saw specifications.

**output, watts:** 3000.

**output, volts:** 220.

**frequency:** 60 cycle.

**phase:** 3.

**number of wires:** 3.

**starting:** manual.

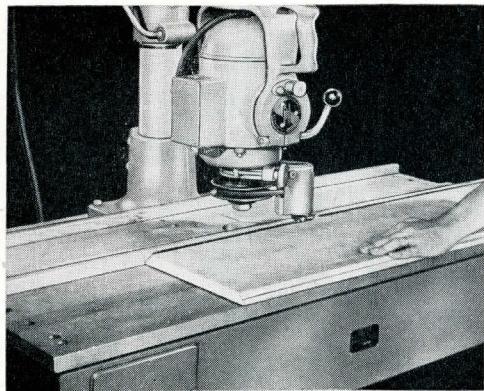
**net weight:** 1300 lbs. (approximately)

**shipping weight:** 1300 lbs. (approximately).

**tire size:** 5.50 x 16.

Shipped F.O.B. Factory Waterloo, Iowa.

# SKIL Radial Saw Accessories



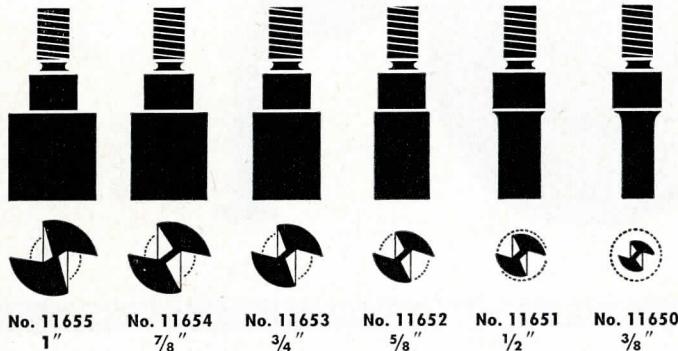
## SKIL Router-Shaper Attachment

for SKIL Radial Saw, Model 450 only

**No. 11150**—An invaluable accessory for increasing the usefulness of your SKIL Radial Saw. With router bits and shaping cutters listed below, almost any stock or custom moulding and decorative trim can be made—on the job.

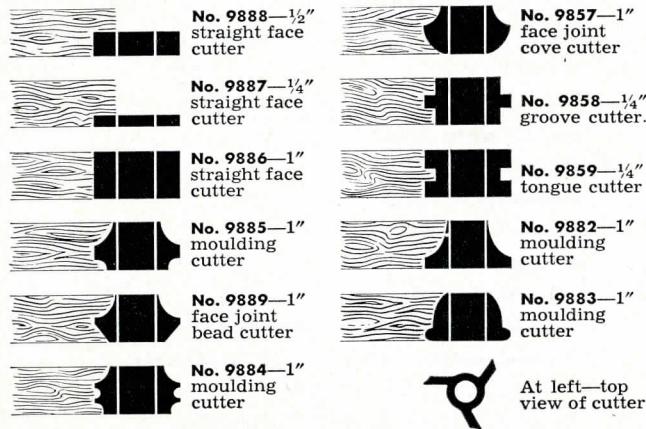
Router-shaper unit is attached or removed in five minutes or less . . . clamps around motor collar as does standard upper blade guard; drive pulley fits on motor shaft. V-belt and pulleys increase speed to 12,000 r.p.m. for most efficient routing and shaping, and maintain close to this speed even under load.

Cast aluminum frame and precision-machined parts provide rigidity; two sealed ball bearings eliminate lubrication worries. Pulley guard aids safe operation. Furnished complete with pulleys, V-belt, pulley guard, threaded arbor and nut for mounting shaping cutters. Router bits screw directly into spindle. Cutters and bits not furnished. Net weight, 7½ lbs.; shipping weight, 8½ lbs.



## SKIL Shaping Cutters

These 3-lip, high speed steel cutters, used in various successive combinations, permit matching many stock mouldings or cutting special, custom designs.



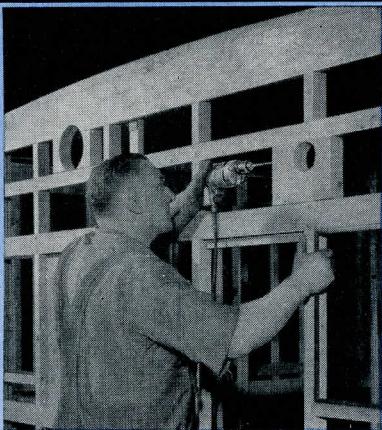
## SKIL Straight Router Bits

Made of vanadium tool steel, these router bits will give long, dependable service on production work. Size range shown will handle a majority of all routing jobs.

## SKIL Radial Saw Accessories

- No. 369**—14" metal slitting blade
- No. 391**—14" combination blade (std. equip.)
- No. 392**—16" combination blade (std. equip.)
- No. 394**—10" diameter dado set to cut  $1\frac{3}{8}$ " maximum. Includes inside and outside cutters, one  $\frac{1}{4}$ " chipper, two  $\frac{1}{8}$ " chippers and one  $\frac{1}{16}$ " chipper.
- No. 354**— $\frac{1}{16}$ " chipper
- No. 355**— $\frac{1}{8}$ " chipper
- No. 364**— $\frac{1}{4}$ " chipper
- No. 397**—14" miter blade
- No. 5498**—14" carbide-tipped blade
- No. 5499**—16" carbide-tipped blade
- No. 7123**—blade wrench (std. equip.)
- No. 9896**—14" rip blade
- No. 9897**—16" rip blade
- No. 9204**—14" lower safety guard
- No. 9205**—16" lower safety guard
- No. 12400**—14" flex cut-off wheel, aluminum oxide, nylon reinforced. For cutting all metals. May be used for stone and masonry. See No. 12439.
- No. 12439**—Aluminum exhaust nozzle. Replaces standard rubber nozzle. Must be used when cutting metals with flex cut-off wheel.

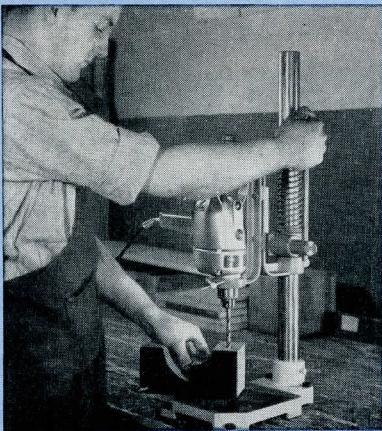
# SKIL Drills



Compact yet powerful, Model 45 is easy to use in confined spaces, convenient to use for installation work, light production and automotive repair. With standard speed it is an excellent general duty  $\frac{1}{4}$ " drill; with optional speeds available, it makes a dependable special-purpose tool.



For heavy structural drilling and reaming in metal or wood, choose from several large capacity SKIL Drills. Newly redesigned Model 2121 shown here is extremely lightweight and powerful for a  $\frac{3}{4}$ " capacity drill. Available with reversing switch, as are all larger capacity drills.

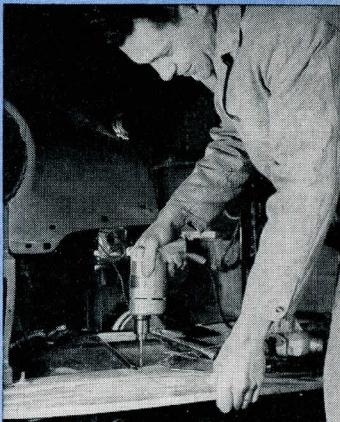


For powerful leverage and precision drilling on small work, SKIL Bench Stands quickly convert all SKIL Drills into convenient drill presses. Exclusive rack and pinion gearing provides a high leverage ratio.

26

## SKIL Drills solve every drilling problem!

Whatever the field . . . industrial, construction or automotive; whatever the job . . . production, installation, maintenance or repair — SKIL Drills give outstanding performance. Superior design, materials and craftsmanship are apparent in every SKIL Drill made. With 26 models to choose from, selection of the drill to fit the job is easy. Optional speeds available on many models meet special needs for drilling specific materials. SKIL Drill capacities range up to 1" in steel, 2" in hardwood. Your SKIL Distributor will be glad to demonstrate or make recommendations.



Primarily a heavy duty production drill, Model 47 is also preferred in automotive shops for installation and repair work in crowded under-hood and dashboard spaces. This  $\frac{1}{4}$ " capacity drill gives maximum power for a tool its size.



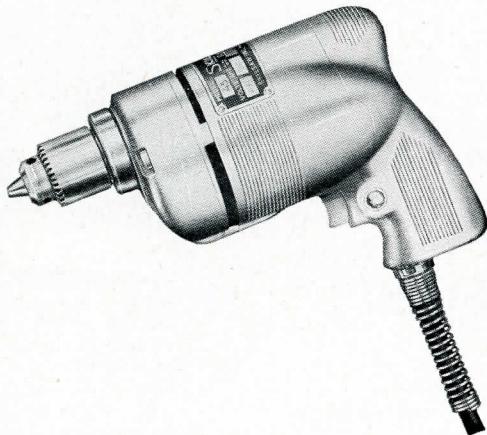
Model 260 special duty drill is the ideal choice for intermittent  $\frac{3}{8}$ " drilling in metal, wood and many other materials. Often selected by maintenance men, electricians, plumbers and repairmen, it performs well on a variety of jobs.



Long a favorite in many fields, Model 80 is one of the most compact and powerful  $\frac{1}{2}$ " capacity drills available. Its slow speed of 450 r.p.m. produces excellent results in drilling metal or wood. Tops for general-purpose drilling.

**SKIL**  
PORTABLE TOOLS

# SKIL Drills



## SKIL **1/4"** Drill

model 45

compact standard duty

This drill puts a world of power in the palm of your hand. It is compact, light and comfortable to use for fast drilling in cramped spots. Provides easy one-hand operation all day long on assembly and installation work.

Model 45 is also well suited to intermittent production work on a great variety of mass-produced items, from toys to electrical appliances. Preferred by men and women workers for its easy grip and effortless handling. Bearings, gears and all construction features are designed for long life and smooth operation.

**equipment:**  $1/4"$  capacity geared chuck and key with key holder; 3-wire cord with connector. Furnished on order with No. 1784  $1/4"$  capacity keyless chuck at extra cost.

### specifications

**capacity in steel:** 0" to  $1/4"$ .

**capacity in hardwood:** 0" to  $1/2"$ .

**motor:** Universal, D.C. or A.C. up to 60 cycles.

**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.

**switch:** Enclosed double pole, momentary contact trigger switch with locking pin.

**no-load speed:** 1800 r.p.m. standard. Speeds of 2500, 3500, 5000 r.p.m. at no extra cost. Slow speeds of 550, 750, 1000 r.p.m. at extra cost.

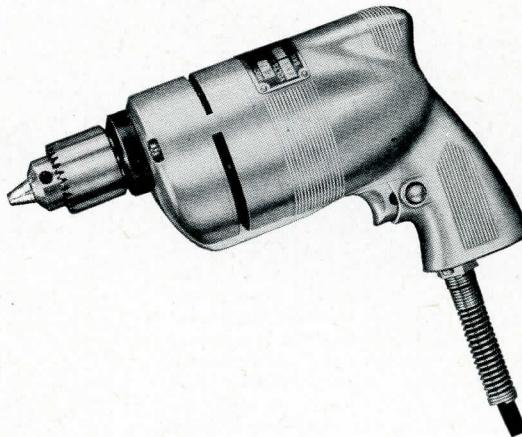
**full-load speed:** 1050 r.p.m. standard.

**bearings:** Ball bearings on armature and intermediate shafts; ball bearing and needle roller bearing on chuck spindle.

**length overall:** 6 $\frac{5}{8}$ ".

**net weight:** 3 lbs.

**shipping weight:** 4 $\frac{1}{2}$  lbs.



## SKIL **1/4"** Drill

model 47

compact heavy duty

Powerful and dependable, Model 47 does fast, accurate drilling for all types of production and continuous, heavy duty installation work.

Although it handles almost as easily as pointing a finger, this drill will get into an absolute minimum space. Light in weight for comfortable, constant use. Small and compact, but has even greater drilling power and speed under load than the popular Model 45. Standard speed of 1800 r.p.m. is excellent for general-purpose drilling in metal, wood and many other materials; optional speeds listed below allow selection for most efficient drilling in specific materials.

**equipment:**  $1/4"$  capacity geared chuck and key with key holder; 3-wire cord with connector. Furnished on order with No. 1784  $1/4"$  capacity keyless chuck at extra cost.

### specifications

**capacity in steel:** 0" to  $1/4"$ .

**capacity in hardwood:** 0" to  $1/2"$ .

**motor:** Universal, D.C. or A.C. up to 60 cycles.

**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.

**switch:** Enclosed double pole, momentary contact trigger switch with locking pin.

**no-load speed:** 1800 r.p.m. standard. Speeds of 2500, 3500, 5000 r.p.m. at no extra cost. Slow speeds of 550, 750, 1000 r.p.m. at extra cost.

**full-load speed:** 1270 r.p.m. standard.

**bearings:** Ball bearings on armature and intermediate shafts; ball bearing and needle roller bearing on chuck spindle.

**length overall:** 7 $\frac{1}{4}$ ".

**net weight:** 3 $\frac{1}{2}$  lbs.

**shipping weight:** 5 lbs.



## SKIL $\frac{1}{4}$ " Drill

**model 49**  
**heavy duty**

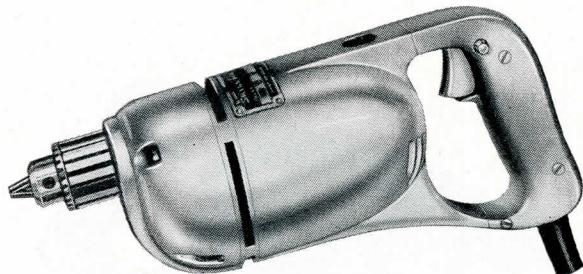
The finest  $\frac{1}{4}$ " drill made for production drilling . . . gives performance never before attained in fast, multiple-hole drilling for aircraft, trailer, auto body and furniture assembly work.

Model 49 is the first drill to feature a patented contour-grip handle, scientifically designed to lessen worker fatigue, boost production. The comfortable contours of this handle are proportioned for relaxed, tension-free grasp and perfect weight distribution in every hand. The very latest in modern drill design, Model 49 is built to aircraft industry specifications for ease of handling, compactness and light weight.

**equipment:**  $\frac{1}{4}$ " capacity geared chuck and key with key holder; 3-wire cord with connector. Furnished on order with No. 1784  $\frac{1}{4}$ " capacity keyless chuck at extra cost.

### specifications

- capacity in steel:** 0" to  $\frac{1}{4}$ ".
- capacity in hardwood:** 0" to  $\frac{1}{2}$ ".
- motor:** Universal, D.C. or A.C. up to 60 cycles.
- voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.
- switch:** Enclosed double pole, momentary contact trigger switch with locking pin.
- no-load speed:** 1800 r.p.m. standard. Speeds of 2500, 3500, 5000 r.p.m. at no extra cost. Slow speeds of 550, 750, 1000 r.p.m. at extra cost.
- full-load speed:** 1270 r.p.m.
- bearings:** Ball bearings on armature and intermediate shafts; ball bearing and needle roller bearing on chuck spindle. Steel insert at commutator bearing.
- length overall:**  $7\frac{1}{2}$ ".
- net weight:** 4 lbs.
- shipping weight:**  $5\frac{1}{2}$  lbs.



## SKIL $\frac{1}{4}$ " Drill

**model 241**  
**special duty**

This expertly engineered SKIL Drill sets a new standard of quality in the low priced drill field. Smooth-running and reliable, it features a quality of design and construction usually found only in more expensive drills.

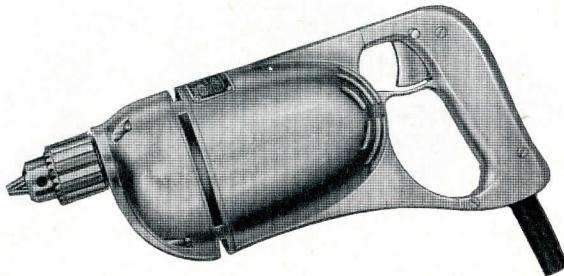
Ideal for intermittent use by auto mechanics, electricians, plumbers and installation men who often prefer a drill with this type of handle. Model 241 is also recommended for light duty maintenance or general utility use in small shops and plants. Equipped with 3-jaw geared chuck, safety trigger switch and locking pin for continuous use. An excellent value for average requirements.

**equipment:**  $\frac{1}{4}$ " capacity geared chuck and key; 3-wire cord with connector.

### specifications

- capacity in steel:** 0" to  $\frac{1}{4}$ ".
- capacity in hardwood:** 0" to  $\frac{1}{2}$ ".
- motor:** Universal, D.C. or A.C. up to 60 cycles.
- voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.
- switch:** Enclosed double pole, momentary contact trigger switch with locking pin.
- no-load speed:** 2250 r.p.m.
- full-load speed:** 1300 r.p.m.
- bearings:** Self-lubricating bearings on armature and intermediate shafts; self-lubricating and ball thrust bearings on chuck spindle.
- length overall:**  $11\frac{1}{4}$ ".
- net weight:**  $4\frac{3}{4}$  lbs.
- shipping weight:**  $6\frac{1}{4}$  lbs.

# SKIL Drills



## SKIL **1/4"** Drill

model 242  
standard duty

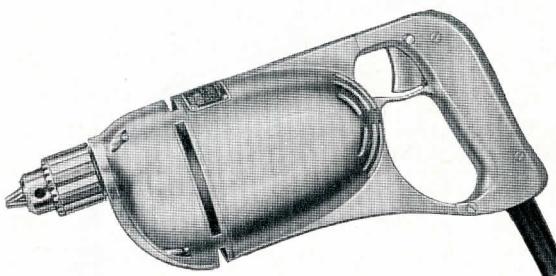
Model 242 is powered for operation at maximum capacity in metal, wood, composition and other materials. Completely capable of meeting all but continuous heavy duty drilling requirements.

Recommended for general maintenance work when light weight and power are important. Popular for the varied drilling called for in building dies, jigs and fixtures. Wherever a variety of operations require drilling up to 1/4" in steel and 1/2" in wood, this sturdy tool gives powerful, dependable performance.

**equipment:** 1/4" capacity geared chuck and key and key holder; 3-wire cord with connector. Furnished on order with No. 1756 1/4" capacity keyless chuck at extra cost.

### specifications

**capacity in steel:** 0" to 1/4".  
**capacity in hardwood:** 0" to 1/2".  
**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole, momentary contact trigger switch with locking pin.  
**no-load speed:** 2000 r.p.m. standard. Speeds of 3500 and 5000 r.p.m. at no extra cost.  
**full-load speed:** 1200 r.p.m. standard.  
**bearings:** Ball bearings on armature; needle roller bearings on intermediate shaft; ball and needle roller bearings on chuck spindle.  
**length overall:** 11 7/8".  
**net weight:** 5 3/4 lbs.  
**shipping weight:** 8 lbs.



## SKIL **1/4"** Drill

model 243  
heavy duty

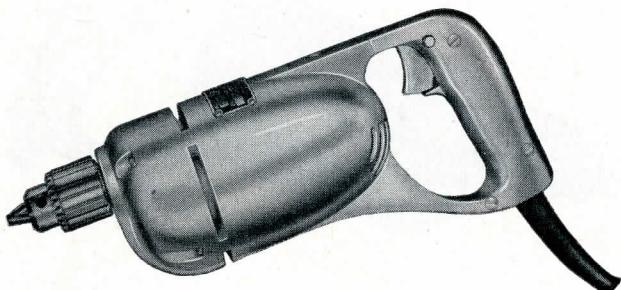
Powered and built for continuous heavy duty drilling on production lines or for constant use on difficult installation, maintenance and repair work, this SKIL Drill gives peak performance.

Recommended for automotive, electrical appliance, furniture and similar assembly operations, this well-balanced, fast drilling tool incorporates all features considered necessary by industry for heavy duty drilling in metal or wood. An excellent choice for all drilling within its capacity, Model 243 will take use and abuse which might overload less well-built tools.

**equipment:** 1/4" capacity geared chuck and key and key holder; 3-wire cord with connector. Furnished on order with No. 1756 1/4" capacity keyless chuck at extra cost.

### specifications

**capacity in steel:** 0" to 1/4".  
**capacity in hardwood:** 0" to 1/2".  
**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole, momentary contact trigger switch with locking pin.  
**no-load speed:** 2000 r.p.m.  
**full-load speed:** 1200 r.p.m.  
**bearings:** Ball bearings on armature shaft; needle roller bearings on intermediate shaft; ball and needle roller bearings on chuck spindle.  
**length overall:** 11 7/8".  
**net weight:** 6 1/2 lbs.  
**shipping weight:** 8 1/2 lbs.



## SKIL $\frac{1}{4}$ " Drill

model 244  
slow speed

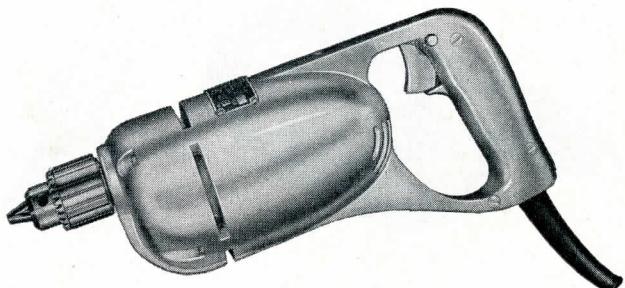
The slow speed of this drill materially lengthens the life of drill bits and prevents work-hardening when drilling stainless steel and many other hard, dense alloys. Such materials, when worked at general-purpose speeds, tend to glaze and resist cutting action of drill bit. With Model 244, cutting efficiency is maintained with high torque, providing full power at all times.

This SKIL Drill is also an excellent choice for frequent boring up to  $\frac{3}{4}$ " holes in hardwood. Its slow speed also makes use of wood bits or augers practical because of motor power and precision gearing in the proper ratio.

**equipment:**  $\frac{1}{4}$ " capacity geared chuck with key and key holder; 3-wire cord with connector.

### specifications

**capacity in steel:** 0" to  $\frac{1}{4}$ ".  
**capacity in hardwood:** 0" to  $\frac{3}{4}$ ".  
**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole, momentary contact trigger switch with locking pin.  
**no-load speed:** 750 r.p.m. standard. Speeds of 500 or 1000 r.p.m. at no extra cost.  
**full-load speed:** 450 r.p.m. standard.  
**bearings:** Ball and self-lubricating bearings on armature shaft; needle roller bearings on intermediate shaft; ball and needle roller bearings on chuck spindle.  
**length overall:** 11 $\frac{3}{4}$ ".  
**net weight:** 5 $\frac{1}{2}$  lbs.  
**shipping weight:** 7 $\frac{1}{4}$  lbs.



## SKIL $\frac{5}{16}$ " Drill

model 250  
special duty

A practical, general purpose drill for use in all types of service and plant maintenance jobs. Also recommended for intermittent production operations where a slightly greater capacity than  $\frac{1}{4}$ " is needed.

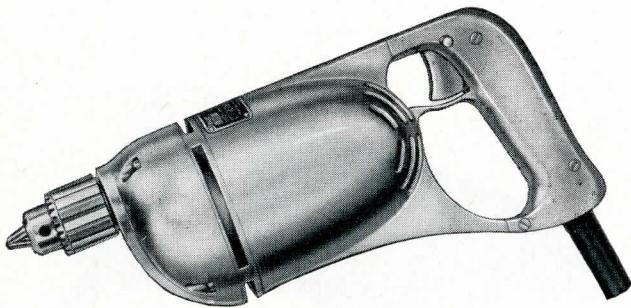
Light weight and easy handling for its size make Model 250 ideal for drilling up to  $\frac{5}{16}$ " holes in metal, up to  $\frac{5}{8}$ " in hardwood. Superior in power and performance to most  $\frac{1}{4}$ " drills. Quality built in every detail, this intermediate capacity SKIL Drill will prove its worth on any job in its range.

**equipment:**  $\frac{5}{16}$ " capacity geared chuck with key and key holder; 3-wire cord with connector. Furnished on order with No. 1759  $\frac{5}{16}$ " capacity keyless chuck at extra cost.

### specifications

**capacity in steel:** 0" to  $\frac{5}{16}$ ".  
**capacity in hardwood:** 0" to  $\frac{5}{8}$ ".  
**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole, momentary contact trigger switch with locking pin.  
**no-load speed:** 1000 r.p.m.  
**full-load speed:** 600 r.p.m.  
**bearings:** Ball and self-lubricating bearings on armature shaft; needle roller bearings on intermediate shaft; ball and needle roller bearings on chuck spindle.  
**length overall:** 11 $\frac{3}{4}$ ".  
**net weight:** 5 $\frac{1}{2}$  lbs.  
**shipping weight:** 7 $\frac{1}{4}$  lbs.

# SKIL Drills



## SKIL **5/16"** Drill

model 253  
heavy duty

A heavy duty tool in every respect, yet light weight and compact design make it ideal for continuous drilling at maximum capacity. Superior construction features make this model the best choice for many production line operations where greater than  $\frac{1}{4}$ " capacity is required.

Equipped with an oversize motor supplying a surplus of power, plus high quality, precision bearings and gears, the top performance of this SKIL Drill will be instantly recognized.

**equipment:**  $\frac{5}{16}$ " capacity geared chuck with key and key holder; 3-wire cord with connector. Furnished on order with No. 1759  $\frac{5}{16}$ " capacity keyless chuck at extra cost.

### specifications

**capacity in steel:** 0" to  $\frac{5}{16}$ ".

**capacity in hardwood:** 0" to  $\frac{5}{8}$ ".

**motor:** Universal, D.C. or A.C. up to 60 cycles.

**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.

**switch:** Enclosed double pole, momentary contact trigger switch with locking pin.

**no-load speed:** 1500 r.p.m. standard. 1000 r.p.m. at extra cost.

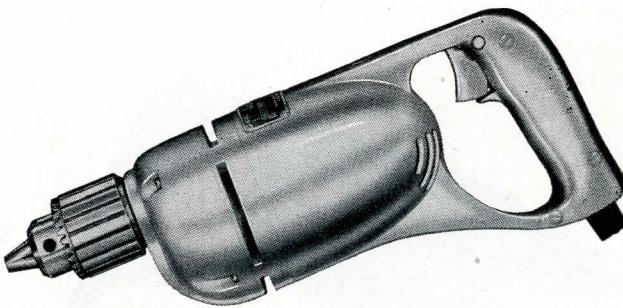
**full-load speed:** 900 r.p.m. standard.

**bearings:** Ball bearings on armature shaft; needle roller bearings on intermediate shaft; ball and needle roller bearings on chuck spindle.

**length overall:**  $11\frac{7}{8}$ ".

**net weight:**  $6\frac{1}{2}$  lbs.

**shipping weight:**  $8\frac{3}{4}$  lbs.



## SKIL **3/8"** Drill

model 260  
special duty

An ideal drill for the maintenance and repair man, electrician or tool maker for varied drilling in metal, wood and many other materials. May also be used for production work on light metals or when drilling at less than full capacity.

Model 260 is an economical, practical tool for the small manufacturing plant or shop where jobs require a drill of all-round utility. Inexpensively priced for a drill of this size . . . a popular choice wherever an intermediate capacity drill of this type is required.

**equipment:**  $\frac{3}{8}$ " capacity geared chuck with key and key holder; 3-wire cord with connector.

### specifications

**capacity in steel:** 0" to  $\frac{3}{8}$ ".

**capacity in hardwood:** 0" to  $\frac{5}{8}$ ".

**motor:** Universal, D.C. or A.C. up to 60 cycles.

**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.

**switch:** Enclosed double pole, momentary contact trigger switch with locking pin.

**no-load speed:** 750 r.p.m.

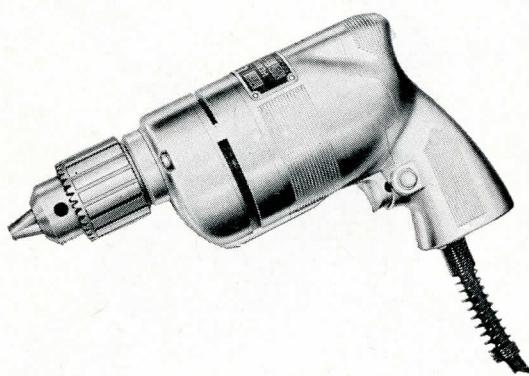
**full-load speed:** 450 r.p.m.

**bearings:** Ball and self-lubricating bearings on armature shaft; needle roller bearings on intermediate shaft; ball and needle roller bearings on chuck spindle.

**length overall:**  $12\frac{1}{8}$ ".

**net weight:**  $6\frac{1}{4}$  lbs.

**shipping weight:**  $7\frac{3}{4}$  lbs.



## SKIL **3/8"** Drill

model 269  
compact standard duty

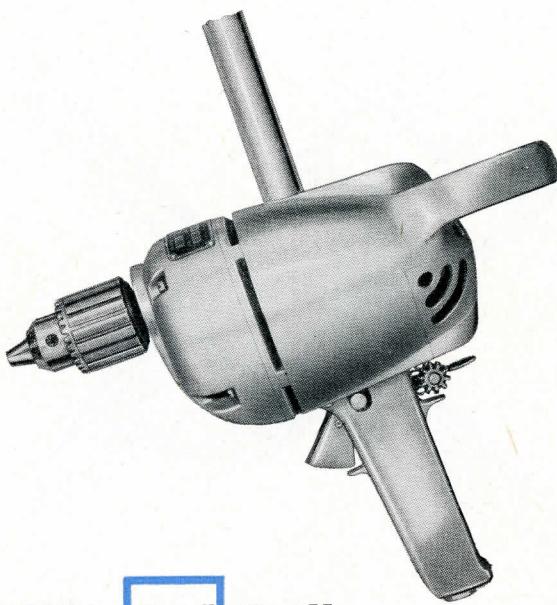
Designed for light production use where capacity up to  $\frac{3}{8}$ " is required, Model 269 will stay on the job when larger drills fail. Compactly styled housing makes this new drill one of the most powerful of its size and weight available. Standard speed of 750 r.p.m. is provided to permit equally good results in metal, wood or composition materials.

Preferred too, for installation and repair work where ability to get into confined spaces is essential. Lightweight for comfortable, convenient use on assembly lines or on general utility jobs.

**equipment:**  $\frac{3}{8}$ " capacity geared chuck with key and key holder; 3-wire cord and connector.

### specifications

**capacity in steel:** 0" to  $\frac{3}{8}$ ".  
**capacity in hardwood:** 0" to  $\frac{5}{8}$ ".  
**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole, momentary contact trigger switch with locking pin.  
**no-load speed:** 750 r.p.m.  
**full-load speed:** 450 r.p.m.  
**bearings:** Ball bearings on armature and intermediate shafts; ball bearing and needle roller bearing on chuck spindle.  
**length overall:** 7 $\frac{5}{8}$ ".  
**net weight:** 4 $\frac{1}{4}$  lbs.  
**shipping weight:** 5 $\frac{1}{2}$  lbs.



## SKIL **3/8"** Drill

model 64  
heavy duty

Perfect for production drilling up to  $\frac{3}{8}$ " holes in all metals, or up to 1" in wood. Used by machinery manufacturers, heavy steel fabricators and many other industries for the heaviest work.

Lightweight and compact, Model 64 is particularly suited for close-quarter drilling in confined spaces. Spade handle and removable extension pipe handle provide solid grips for heavy pressure drilling.

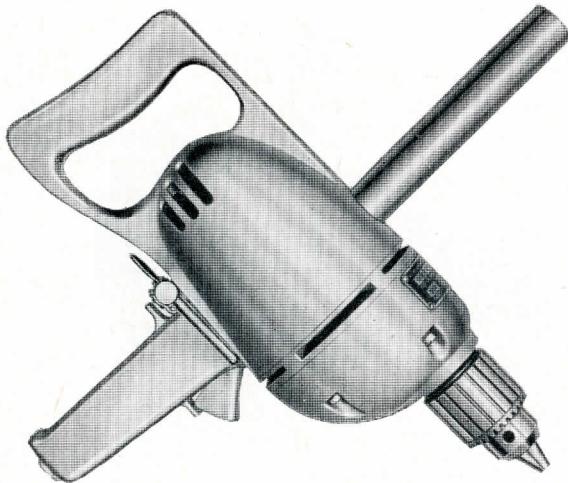
Powerful enough to withstand continuous service at maximum capacity or maintain close to no-load speed with  $\frac{1}{4}$ " and  $\frac{5}{16}$ " drill bits.

**equipment:**  $\frac{3}{8}$ " capacity geared chuck with key and key clip; 3-wire cord and connector; detachable pipe handle.

### specifications

**capacity in steel:** 0" to  $\frac{3}{8}$ ".  
**capacity in hardwood:** 0" to 1".  
**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole, momentary contact trigger switch with locking pin.  
**no-load speed:** 750 r.p.m.  
**full-load speed:** 475 r.p.m.  
**bearings:** Ball bearings on armature shaft; ball and needle roller bearings on chuck spindle; needle roller bearings on intermediate shafts.  
**length overall:** 11 $\frac{1}{4}$ ".  
**net weight:** 8 $\frac{1}{2}$  lbs.  
**shipping weight:** 10 $\frac{3}{4}$  lbs.

# SKIL Drills



## SKIL $\frac{1}{2}$ " Drill

model 281  
special duty

For normal intermittent drilling requirements, many users will find real value and quality in this low priced, compact  $\frac{1}{2}$ " drill. Recommended for general purpose drilling on repair, installation and maintenance jobs.

Frequently used for automotive repair, light construction, factory and building maintenance. A favorite tool of plumbers, electricians and many other craftsmen who need a powerful drill of this capacity. Can be used with hole saws for cutting up to 3" diameter holes in many thin materials.

**equipment:**  $\frac{1}{2}$ " capacity geared chuck with key and key clip; 3-wire cord and connector; detachable pipe handle.

### specifications

**capacity in steel:**  $\frac{5}{64}$ " to  $\frac{1}{2}$ ".

**capacity in hardwood:**  $\frac{5}{64}$ " to 1".

**motor:** Universal, D.C. or A.C. up to 60 cycles.

**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.

**switch:** Enclosed double pole, momentary contact trigger switch with locking pin.

**no-load speed:** 450 r.p.m.

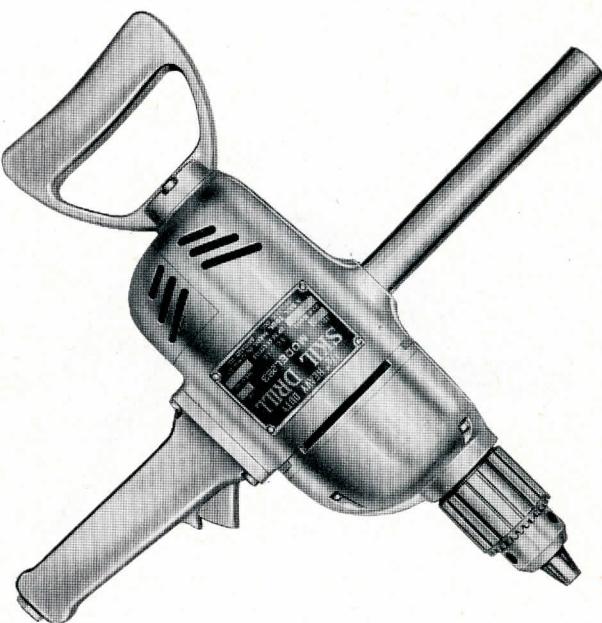
**full-load speed:** 240 r.p.m.

**bearings:** Ball and self-lubricating bearings on armature shaft and chuck spindle; self-lubricating bearings on intermediate shaft.

**length overall:**  $12\frac{3}{4}$ ".

**net weight:**  $8\frac{3}{4}$  lbs.

**shipping weight:** 11 lbs.



## SKIL $\frac{1}{2}$ " Drill

model 283 (model 351, reversing)  
heavy duty

Improved design makes this drill one of the most powerful of its capacity available. Extremely compact and easy to handle in any position. Selected for its hard-driving performance by boiler shops, truck body builders, bridge builders, general contractors, railroads, machine shops, garages, plumbers and steel fabricators. Excellent for driving cylinder hones.

**equipment:**  $\frac{1}{2}$ " capacity geared chuck and key with key holder; 3-wire cord with connector; detachable pipe handle; adjustable spade handle. Optional equipment: No. 1 or No. 2 Morse taper socket in place of geared chuck at no extra cost.

### specifications

**capacity in steel:** 0" to  $\frac{1}{2}$ ".

**capacity in hardwood:** 0" to  $1\frac{1}{2}$ ".

**motor:** Universal, D.C. or A.C. up to 60 cycles.

**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.

**switch:** Enclosed double pole, momentary contact trigger switch with locking pin.

**no-load speed:** 550 r.p.m. standard. 1,000 r.p.m. at extra cost.

**full-load speed:** 360 r.p.m. standard.

**bearings:** Ball bearings on armature, intermediate shaft and chuck spindle.

**length overall:** 15".

**net weight:** 13 lbs.

**shipping weight:** 17 lbs.



## SKIL **1/2"** Drill

model 80  
standard duty

This outstanding model is by far the most popular SKIL Drill made in  $1/2"$  capacity. Its exceptional power makes quick work of the toughest jobs.

Quality construction details include helical gears for quiet, dependable power transmission; anti-friction bearings throughout for smooth operation and long life. Compact, streamlined design makes Model 80 the best choice for work in restricted spaces. Selected for all types of drilling in metal, wood and other materials; gets in where the ordinary  $1/2"$  drill cannot be used.

For industrial production and maintenance, automotive installation and repair, or construction work of all kinds, Model 80 surpasses many larger and heavier drills. Perfect balance and light weight provide easy handling in any position, at any angle. Handles hole saws up to 3" diameter.

**equipment:**  $1/2"$  capacity geared chuck with key and key clip; 3-wire cord and connector; detachable pipe handle.

### specifications

**capacity in steel:**  $5/64"$  to  $1/2"$ .

**capacity in hardwood:**  $5/64"$  to  $1\frac{1}{4}"$ .

**motor:** Universal, D.C. or A.C. up to 60 cycles.

**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.

**switch:** Enclosed double pole, momentary contact trigger switch with locking pin.

**no-load speed:** 450 r.p.m.

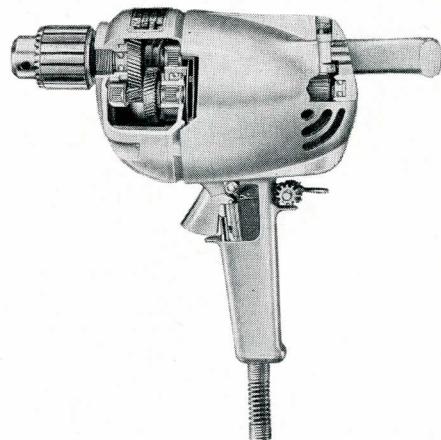
**full-load speed:** 300 r.p.m.

**bearings:** Ball bearings on armature shaft; ball and needle roller bearings on chuck spindle; needle roller bearings on intermediate shafts.

**length overall:**  $11\frac{1}{2}"$ .

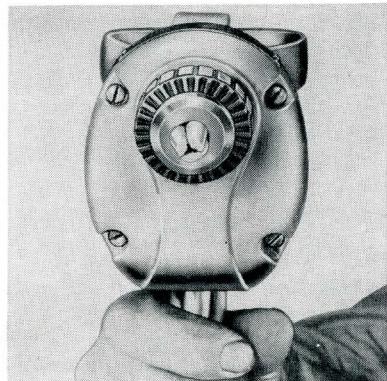
**net weight:**  $8\frac{1}{2}$  lbs.

**shipping weight:**  $10\frac{3}{4}$  lbs.

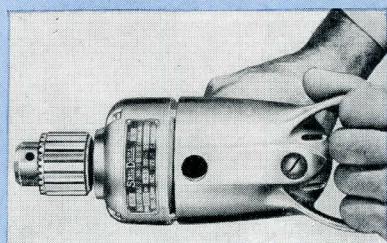


### helical-cut gearing ball and needle roller bearing construction

Single-row heavy duty ball bearing on front of chuck spindle and needle roller on rear compensate for thrust and radial loads. Needle roller bearings on both ends of intermediate gear shaft and ball bearings on armature shaft insure quieter operation and long life.



Only  $3\frac{1}{2}"$  wide! Easy to use in tight places where few other drills of this power and capacity can get in.



Model 80 is only  $11\frac{1}{2}"$  long overall! This compactness means lighter weight and easier handling.

# SKIL Drills



## SKIL **5/8"** Drill

model 2101 (model 571, reversing)  
special duty

The low spindle speed of this drill provides high torque for top performance in boring heavy timbers, drilling tough alloy metals. Recommended for intermittent duty in construction, plant maintenance and general repair work. Extremely lightweight for its power and capacity.

Uses hole saws up to 4 1/8" diameter; also drives cylinder hones.

**equipment:** 5/8" capacity geared chuck with key and key holder; 3-wire cord and connector; detachable pipe handle; adjustable spade handle. Optional equipment: No. 2 Morse taper socket in place of geared chuck at no extra cost.

### specifications

**capacity in steel:** 1/8" to 5/8".

**capacity in hardwood:** 1/8" to 1 1/4".

**motor:** Universal, D.C. or A.C. up to 60 cycles.

**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.

**switch:** Enclosed double pole, momentary contact trigger switch with locking pin.

**no-load speed:** 300 r.p.m.

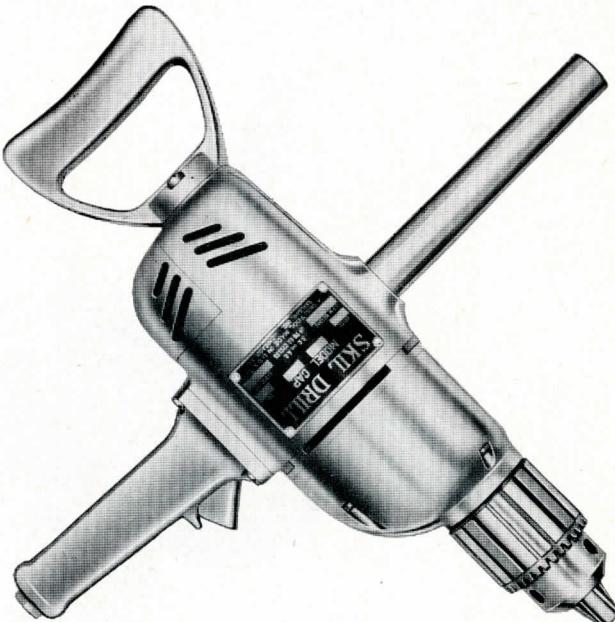
**full-load speed:** 150 r.p.m.

**bearings:** Ball bearings on armature shaft; ball and self-lubricating bearings on chuck spindle; self-lubricating bearings on intermediate shaft.

**length overall:** 15 3/4".

**net weight:** 14 1/4 lbs.

**shipping weight:** 18 1/4 lbs.



## SKIL **5/8"** Drill

model 2103 (model 572, reversing)  
heavy duty

Lighter and more compact than any drill of comparable power and capacity. Completely redesigned to provide the heavy duty drill user with a tool that is easy to handle, perfectly balanced, reasonably priced.

Popular for heavy construction work in timber or steel; machinery repair and installation. Built for continuous use within its capacity.

**equipment:** 5/8" capacity geared chuck with key and key holder; 3-wire cord and connector; detachable pipe handle; adjustable spade handle. Optional equipment: No. 2 Morse taper socket in place of geared chuck at no extra cost.

### specifications

**capacity in steel:** 1/8" to 5/8".

**capacity in hardwood:** 1/8" to 1 1/2".

**capacity, steel reaming:** 3/8".

**motor:** Universal, D.C. or A.C. up to 60 cycles.

**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.

**switch:** Enclosed double pole, momentary contact trigger switch with locking pin.

**no-load speed:** 450 r.p.m. 1000 r.p.m. at extra cost.

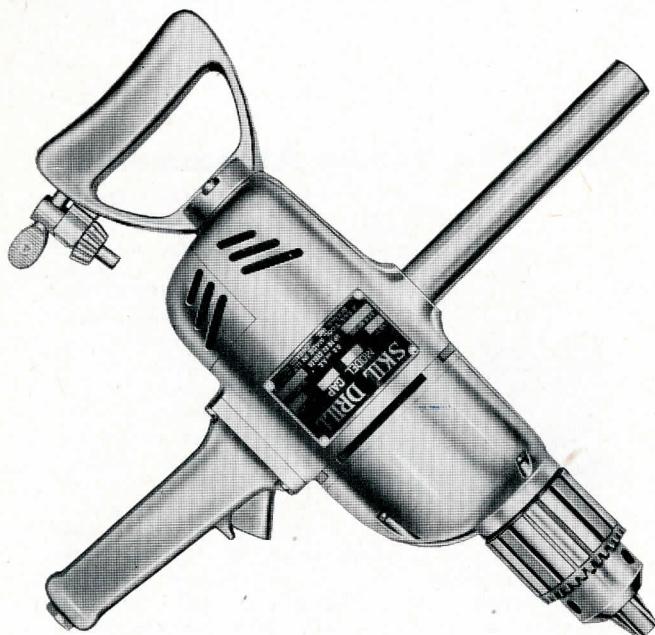
**full-load speed:** 275 r.p.m.

**bearings:** Ball bearings on armature shaft; needle roller bearings on intermediate shafts; ball bearings on chuck spindle.

**length overall:** 16 1/8".

**net weight:** 14 1/4 lbs.

**shipping weight:** 18 1/4 lbs.



## SKIL 3/4" Drill

model 2121 (model 573, reversing)  
special duty

Has a wealth of power for handling a wide variety of drilling and reaming jobs in either wood or steel.

Again, SKIL Drill design has achieved a maximum of power with a minimum of weight, making Model 2121 a favorite of construction crews for on-the-job structural drilling. Fills nearly every maintenance and repair requirement in factories and institutions.

**equipment:** 3/4" capacity geared chuck with key and key clip; 3-wire cord and connector; detachable pipe handle; adjustable spade handle. Optional equipment: No. 2 or No. 3 Morse taper socket in place of geared chuck at no extra cost.

### specifications

**capacity in steel:** 3/16" to 3/4".

**capacity in hardwood:** 3/16" to 1 1/2".

**capacity, steel reaming:** 1/2".

**motor:** Universal, D.C. or A.C. up to 60 cycles.

**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.

**switch:** Enclosed double pole, momentary contact trigger switch with locking pin.

**no-load speed:** 250 r.p.m.

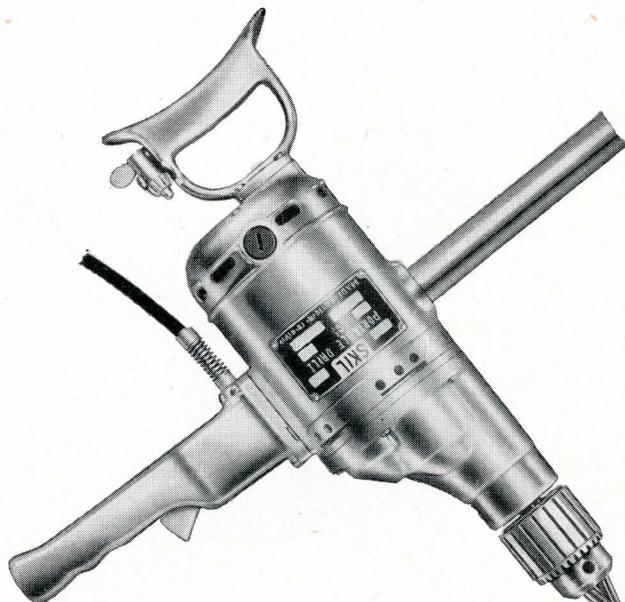
**full-load speed:** 150 r.p.m.

**bearings:** Ball bearings on armature shaft; ball and self-lubricating bearings on chuck spindle; self-lubricating bearings on intermediate shafts.

**length overall:** 16 1/8".

**net weight:** 15 lbs.

**shipping weight:** 19 lbs.



## SKIL 3/4" Drill

model 123 (model 332, reversing)  
heavy duty

Exceptional service is guaranteed in this heavy duty drill, with its tremendous motor power and rugged mechanical construction. Fully proved in performance from users' reports of outstanding work in heavy industrial and major construction operations.

Widely used with wood augers for deep drilling in timbers, as well as with twist drills for industrial use.

**equipment:** 3/4" capacity geared chuck with key and key clip; 3-wire cord and connector; detachable pipe handle; adjustable spade handle. Optional equipment: No. 2 or No. 3 Morse taper socket in place of geared chuck at no extra cost.

### specifications

**capacity in steel:** 3/16" to 3/4".

**capacity in hardwood:** 3/16" to 2".

**capacity, steel reaming:** 5/8".

**motor:** Universal, D.C. or A.C. up to 60 cycles.

**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.

**switch:** Enclosed double pole, momentary contact trigger switch with locking pin.

**no-load speed:** 375 r.p.m. standard. Speeds of 450, 300 r.p.m. at no extra cost. 1000 r.p.m. at extra cost.

**full-load speed:** 225 r.p.m. standard.

**bearings:** Ball bearings on armature and intermediate shafts; tapered roller bearings on chuck spindle.

**length overall:** 20".

**net weight:** 27 1/4 lbs.

**shipping weight:** 31 1/2 lbs.

# SKIL Drills, Accessories



## SKIL 1" Drill

model 163 (model 443, reversing)  
heavy duty

Designed for the most severe service . . . drilling up to 1" diameter holes in steel.

No. 3 Morse taper socket is recessed into gear housing to reduce length, provide better balance, increase steadiness and control for one-man operation.

Long switch handle and pipe extension give plenty of leverage; oversize motor and ball bearings meet every requirement.

**equipment:** No. 3 Morse taper socket; 3-wire cord and connector; detachable pipe handle; adjustable spade handle.

### specifications

**capacity in steel:** 1".

**capacity, steel reaming:**  $\frac{3}{4}$ ".

**motor:** Universal, D.C. or A.C. up to 60 cycles.

**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.

**switch:** Enclosed double pole, momentary contact trigger switch with locking pin.

**no-load speed:** 375 r.p.m. standard. Speeds of 300, 450 r.p.m. at no extra cost.

**full-load speed:** 225 r.p.m. standard.

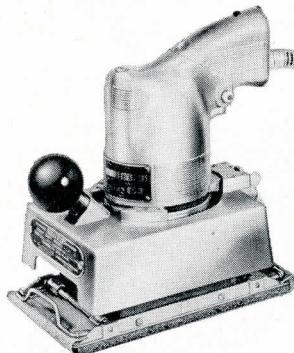
**bearings:** Ball bearings on all shafts. Self-lubricating sleeve bearing surface for taper socket.

**length overall:** 18 $\frac{3}{8}$ ".

**net weight:** 25 $\frac{1}{2}$  lbs.

**shipping weight:** 31 lbs.

## SKIL Oscillating Sander Attachment



Fits SKIL Drill Models 45 and 47 of 1800 to 3500 r.p.m. Easily attached and removed to make your SKIL Drill do the work of finishing sanders that cost much more. Perfect for all finish sanding, rubbing or polishing of wood, metal or composition materials. Uses 3 $\frac{3}{8}$ " x 9" sandpaper sheets, three of which can be cut from a standard 9" x 11" sheet.

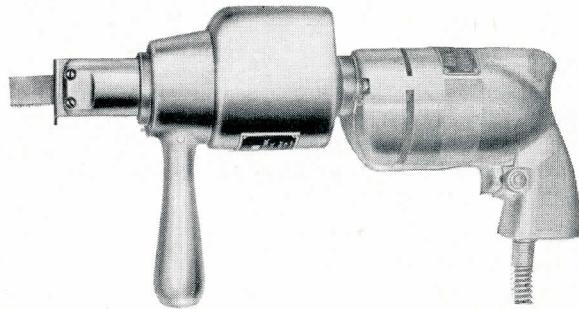
Use at 2500 r.p.m. on models specified above for most efficient operation; lower speeds reduce efficiency slightly. Supplied with sponge rubber pad, 3 sheets of sandpaper, polishing cloth. Net weight, 2 $\frac{1}{4}$  lbs.; shipping weight, 3 $\frac{1}{2}$  lbs.

**Model 541**—For SKIL Models 45 and 47 only.

**No. 7455**—Replacement sponge rubber pad.

**No. 7456**—Replacement felt pads (pkg. of 5 with cement).

## SKIL Hacksaw Attachment



For all portable drills of 1800 to 3500 r.p.m. Converts drill for fast sawing or filing; uses standard or broken lengths of hacksaw blades, plus special alloy blades listed below. Cuts metal, wood, plastics to any shape. Attaches to drill by removing chuck and screwing direct to spindle, or if adapter is used, either model will operate from any  $\frac{1}{4}$ " drill chuck. Supplied with blade and file holders, hex key, drive pin adapter, steel cutting blade.

**Model 509**—fits all  $\frac{1}{2}$ " - 20 thread spindle drills; SKIL Drill Models 242, 243.

**Model 539**—fits all  $\frac{3}{8}$ " - 24 thread spindle drills; SKIL Drill Models 45, 47, 49; all SKIL Pneumatic Drills. Net weight, 3 $\frac{1}{2}$  lbs., shipping weight, 4 $\frac{1}{2}$  lbs.

### steel cutting blades

**No. 7720**—3" x  $\frac{1}{2}$ " x .025"

**No. 7721**—5" x  $\frac{1}{2}$ " x .025"

**No. 7722**—3" x  $\frac{5}{8}$ " x .032"

**No. 7723**—5" x  $\frac{5}{8}$ " x .032"

**No. 7724**—3" x  $\frac{3}{4}$ " x .049"

**No. 7725**—5" x  $\frac{3}{4}$ " x .049"

### wood cutting blades

**No. 7727**—5 $\frac{3}{4}$ " x  $\frac{1}{4}$ " x .049"

**No. 7728**—5 $\frac{3}{4}$ " x  $\frac{3}{8}$ " x .049"

**No. 7729**—5 $\frac{3}{4}$ " x  $\frac{1}{2}$ " x .049"

see price list for quantity  
blade discount.

## SKIL Bench Stands

Quickly convert any SKIL Drill into a stationary drill press. For many types of work these bench stands eliminate the need for costly drill presses. They also increase accuracy in drilling small parts and are ideal for hole saw work.

Exclusive rack and pinion gearing provides highest leverage ratios, requires only small lever arm.



**No. 6401**—For Models 45, 47.

**No. 6402**—For Models 241, 242, 243, 244, 250, 253, 260.

**No. 6403**—For Models 64, 80, 281.

**No. 6404**—For Models 63, 83.

**No. 6405**—For Models 41, 42, 43, 44, 50, 53, 60.

**No. 4860**—For Models 101, 121, 141.

**No. 4870**—For Models 103, 123, 143, 163.

**No. 9480**—For Models 283.

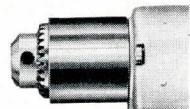
**No. 9490**—For Models 2101, 2103, 2121.

### specifications

part numbers:	6401	6402	6403	6404	6405	6406
Vertical adjustment of column	14"	14"	14"	14"	14"	16"
Maximum travel of drill head	4"	4"	4"	4"	4"	5"
Drilling radius from column center	7"	7"	7"	7"	7"	8"
Leverage ratio	20:1	20:1	20:1	20:1	20:1	26:1
Shipping weight	47	46	48	45	95	

## Chuck Protector

Prevents entanglement of clothing or other materials in chuck; an excellent safety device for assembly line use.



**No. 5682**—For SKIL Drill Models 45, 47 and 49 only.

## Arbor Adapter

Allows use of wire wheels, grinding wheels, buffs and other accessories with  $\frac{1}{2}$ " arbor holes.



**No. 4438**—Fits  $\frac{1}{4}$ " or larger capacity drills.

## Post Stand Brackets

Will convert any SKIL Drill Bench Stand into a practical Post Drill Stand. Shipping weight, 7 lbs.

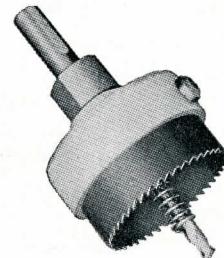


**No. 6435**—Fits all bench stands listed above.

## SKIL Hole Saws

for  $\frac{1}{2}$ " and larger capacity drills

High speed steel blades cut sharp, clean holes in metals, wood, plastics, composition, plaster and other materials. Valuable for use in the plumbing, heating, electrical, woodworking, construction and automotive fields. SKIL Hole Saws increase the capacity of your drill for drilling large diameter holes in  $\frac{7}{8}$ " or thinner materials.



### cup and saw

part no.	diam. of saw, inches	part no.	diam. of saw, inches	for pipe tap size	for pipe entrance size
7641	$\frac{3}{4}$	7642	$\frac{3}{4}$	...	$\frac{3}{8}$
7643	$\frac{7}{8}$	7644	$\frac{7}{8}$	$\frac{3}{4}$	$\frac{1}{2}$
7645	1	7646	1	...	...
7647	$1\frac{1}{8}$	7648	$1\frac{1}{8}$	1"	$\frac{3}{4}$
7649	$1\frac{1}{4}$	7650	$1\frac{1}{4}$	...	...
7651	$1\frac{3}{8}$	7652	$1\frac{3}{8}$	...	1"
7653	$1\frac{1}{2}$	7654	$1\frac{1}{2}$	$1\frac{1}{4}$	...
7655	$1\frac{5}{8}$	7656	$1\frac{5}{8}$	...	...
7657	$1\frac{3}{4}$	7658	$1\frac{3}{4}$	$1\frac{1}{2}$	$1\frac{1}{4}$
7659	$1\frac{7}{8}$	7660	$1\frac{7}{8}$	...	...
7661	2	7662	2	...	$1\frac{1}{2}$
7663	$2\frac{1}{8}$	7664	$2\frac{1}{8}$	...	...
7665	$2\frac{1}{4}$	7666	$2\frac{1}{4}$	2	...
7667	$2\frac{3}{8}$	7668	$2\frac{3}{8}$	...	...
7669	$2\frac{1}{2}$	7670	$2\frac{1}{2}$	...	2
7671	$2\frac{5}{8}$	7672	$2\frac{5}{8}$	...	...
7673	$2\frac{3}{4}$	7674	$2\frac{3}{4}$	$2\frac{1}{2}$	...
7675	$2\frac{7}{8}$	7676	$2\frac{7}{8}$	...	...
7677	3	7678	3	...	$2\frac{1}{2}$
7679	$3\frac{1}{8}$	7680	$3\frac{1}{8}$	...	...
7681	$3\frac{1}{4}$	7682	$3\frac{1}{4}$	3	...
7683	$3\frac{3}{8}$	7684	$3\frac{3}{8}$	...	...
7685	$3\frac{1}{2}$	7686	$3\frac{1}{2}$	...	...
7687	$3\frac{5}{8}$	7688	$3\frac{5}{8}$	...	3
7689	$4\frac{1}{8}$	7690	$4\frac{1}{8}$	...	$3\frac{1}{2}$

### mandrels only



Mandrels are furnished complete with pilot drill. Drills are quickly renewable. Nos. 7695 and 7696 also have ejector springs, as illustrated. Cups that fit Mandrel No. 7697 have slots in the top for removing sawed material.

**No. 7695**—Fits Nos. 7641 to 7647 inclusive.

**No. 7696**—Fits Nos. 7649 to 7685 inclusive.

**No. 7697**—Fits Nos. 7687 to 7689 inclusive.

### pilot drills only

**No. 7691**—For No. 7695 and 7696 Mandrels.

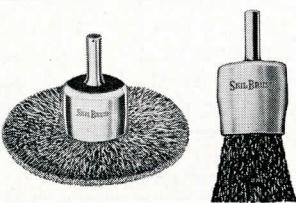
**No. 7692**—For No. 7697 Mandrel.

# SKIL Drill Accessories

## Carbon Cleaning Brushes

Circular brushes are for quick removal of hard carbon deposits from cylinder heads and cylinders. Also used for rust, paint and burr removal in automotive or other work. End brushes are excellent for cleaning valve seats and similar hard-to-reach spots, as well as for general cleaning work.  $\frac{1}{4}$ " shank fits all SKIL Drills.

part no.	type	brush diam.	wire diam.
4264	End	$\frac{3}{4}$ "	.0104
4265	End	$\frac{3}{4}$ "	.020
4266	End	1"	.0104
4267	End	1"	.020
4268	Cir.	$1\frac{1}{2}$ "	.020
4269	Cir.	3"	.020



## Valve Guide Brushes

Made of special analysis twisted wire with special  $\frac{1}{2}$ " diameter x  $7\frac{3}{4}$ " long shank to fit all SKIL Drills. All numbers have these specifications in common: wire size, .0095; length overall,  $9\frac{3}{8}$ "; brush length,  $1\frac{1}{8}$ ".

part no.	brush diam.	part no.	brush diam.
4270	$\frac{5}{16}$ "	4273	$1\frac{3}{32}$ "
4271	$1\frac{11}{32}$ "	4274	$\frac{7}{16}$ "
4272	$\frac{3}{8}$ "		

## Pressure Handle

for all drills with  
detachable pipe  
handle

Makes drilling easier and safer in awkward positions . . . overhead, head-high or on ladders. Saves time of extra helper; eliminates bit breakage. Fits all SKIL Drills listed below and other makes with detachable pipe handles. Order by part number, or state make and model of your drill, plus tap size of pipe handle.

**No. 5770**—Fits Models 64, 80 and any drill with  $\frac{7}{8}$ " - 18 thread handle.

**No. 5771**—Fits Model 83 with  $\frac{7}{8}$ " - 18 thread adapter plate supplied.

**No. 5772**—Fits any drill with  $\frac{1}{2}$ " N.P.T. pipe handle.

**No. 5773**—Fits Models 281, 283, 101, 2101, 121, 2121, 141 or any drill with  $\frac{3}{4}$ " N.P.T. pipe handle.

**No. 5774**—Fits Models 103, 2103, 123, 143, 163 or any drill with 1" N.P.T. pipe handle.

**No. 5775**—Adapter plate only, for mounting No. 5770 on Model 83.

**specifications:** Length, 8"; width,  $3\frac{1}{4}$ "; chain length, 4'; net weight,  $2\frac{1}{2}$  lbs.; shipping weight, 3 lbs.



## Geared Chucks

Finest obtainable. For best performance, replace worn chucks with original equipment.



for drill model nos.	spindle and thread size	chuck and key	key and key holder	key only
40, 41, 42, 43, 44	$\frac{1}{2}$ " - 20	1754	3385	
241	$\frac{3}{8}$ " - 24	1751		1752
242, 243, 244	$\frac{1}{2}$ " - 20	1754	3385	
45, 47, 49	$\frac{3}{8}$ " - 24	1773	3385	
50, 53, 250, 253	$\frac{1}{2}$ " - 20	1757	3387	
62, 63, 64	$\frac{1}{2}$ " - 20	1760		1761
60, 260	$\frac{1}{2}$ " - 20	4423	3766	
80, 84, 281	$\frac{1}{2}$ " - 20	1771		1761
81	$\frac{5}{8}$ " - 16	1780		1761
82, 83	$\frac{3}{4}$ " - 16	1763		1775
283	$\frac{3}{4}$ " - 16	4424	9032	
101, 102, 103	$\frac{3}{4}$ " - 16	1764		1775
2101, 2103	$\frac{3}{4}$ " - 16	4425	9032	
121, 2121, 123	$\frac{3}{4}$ " - 16	1765		1766
326	#6 Jacobs taper	1774		1775
327, 331	#3 Jacobs taper	1777		1775
328, 332, 573	#3 Jacobs taper	1772		1766
351	#6 Jacobs taper	4426	9032	
571, 572	#3 Jacobs taper	4427	9032	
269	$\frac{3}{8}$ " - 24	11237	11238	

## Keyless Chucks

Available at extra cost on several SKIL Drill models for jobs where frequent bit changes are necessary. Also available as replacement equipment for models listed below.

part no.	chuck capacity	spindle	for models:
1756	$\frac{1}{4}$ "	$\frac{1}{2}$ " - 20	41, 42, 43, 242, 243, 244
1759	$\frac{5}{16}$ "	$\frac{1}{2}$ " - 20	50, 53, 250, 253
1762	$\frac{3}{8}$ "	$\frac{1}{2}$ " - 20	60, 62, 63, 64, 260
1784	$\frac{1}{4}$ "	$\frac{3}{8}$ " - 24	36, 46, 45, 47, 49, 241

## Morse Taper Arbors

**No. 1737**—No. 2 Morse taper arbor.

**No. 1767**—No. 3 Morse taper arbor.

Arbors above fit drills equipped with Morse taper sockets. Either arbor will mount No. 1777 ( $\frac{5}{8}$ ") or No. 1772 ( $\frac{3}{4}$ ") geared chucks with No. 3 Jacobs taper socket.

**No. 1768**—No. 3 Morse taper arbor with  $\frac{5}{8}$ " capacity geared chuck and key.

**No. 1769**—No. 3 Morse taper arbor with  $\frac{3}{4}$ " capacity geared chuck and key.



## Morse Taper Reducing Sleeve

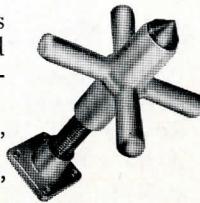
**No. 1770**—Permits use of drill bits with No. 2 Morse taper shanks in any drill having No. 3 Morse taper socket.

## Feed Screw Attachment

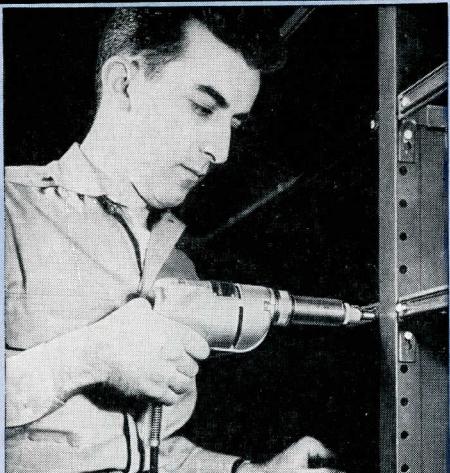
Used where space prevents hand feeding of drill. Furnished complete with adapter. Maximum adjustment,  $2\frac{1}{2}$ ".

**No. 2380**—Fits Models 103, 123, 143, 163.

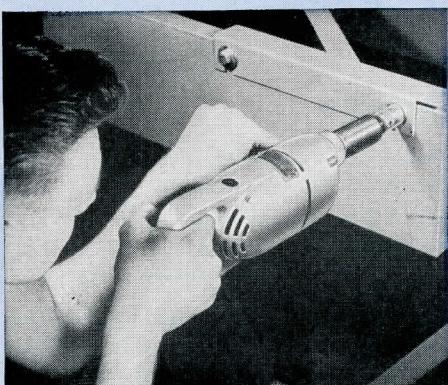
**No. 3480**—Fits Models 63, 82, 83, 283, 101, 2101, 102, 2103, 121, 2121, 141.



# SKIL Screwdrivers, Nut Runners



Use Model 303 for production line and continuous installation work in driving or tightening small fastenings of all kinds. Adjustable double-slip clutch insures uniform tensioning of screws and nuts in metal products.



Assembly of heavy equipment is greatly speeded by use of powerful Model 305. Equipped with double-slip adjustable clutch for uniform driving of machine screws and nuts up to  $\frac{3}{8}$ " diameter.



Where hundreds of screws per unit must be driven, as in boat, furniture, trailer and truck body manufacturing, a SKIL Driver pays for itself in an amazingly short time. Available with either positive or adjustable clutches.

## 20 heavy duty SKIL Drivers

### speed assembly operations

Here is a complete line of electric screwdrivers and nut runners with a range of capacities wide enough to meet practically all industrial requirements. Convenient too, is the large assortment of accessories . . . bits, finders, socket wrench shanks and sockets.

Designed and built for heavy duty use in every respect, SKIL Drivers are remarkable for their power and ease of handling, durability and light weight. Each model is available in several speeds for particular fastening problems; each type of driver may be selected with positive or adjustable clutch, with or without reversing switch. See your SKIL Distributor for an on-the-job demonstration.

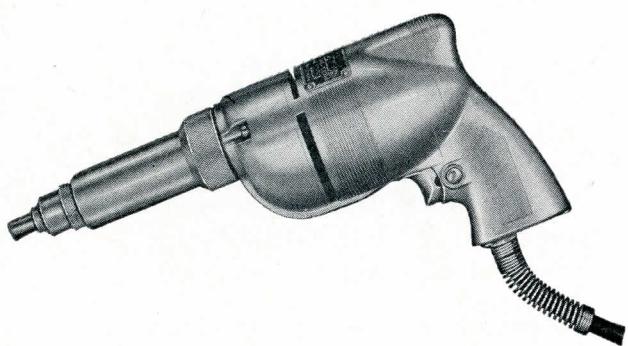


SKIL Drivers save time and boost profits for many automotive shops. Reversing models speed fastening and removal of screws, bolts and nuts in both body repair jobs and mechanical repair work.



Production-line assembly of electrical appliances . . . radio and television chassis, small products of all kinds . . . achieves peak efficiency with use of SKIL Suspension Drivers. Model 316 shown above.

# SKIL Screwdrivers, Nut Runners



## SKIL Driver

**model 303—adjustable clutch  
(model 489, reversing)**

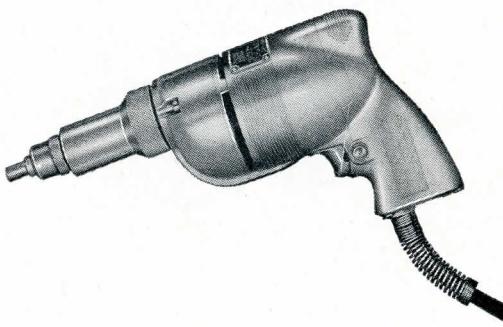
**1/4" dia. machine screws, nuts  
no. 12 self-tapping screws**

For running down small screws and nuts in tight quarters and wherever continuous driving is required in metal and composition products. Ideal for automotive, aircraft, radio, television and other electrical appliance production. Double-slip clutch is quickly adjustable to drive to a uniform, predetermined tension. This type of clutch eliminates excessive shock caused by sudden stoppage, reducing operator fatigue and prolonging tool life. Compact design fits the palm of the hand, making it easy to use for one-hand operation.

**equipment:** 1/4" hexagon quick-change chuck; No. 6764 bit; No. 6754 finder; 3-wire cord and connector.

### specifications

**capacity:** 1/4" diameter machine screws, nuts; No. 12 self-tapping screws.  
**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole, momentary contact trigger switch with locking pin.  
**no-load speed:** 750 r.p.m. standard. Speeds of 1000, 1250 r.p.m. at no extra cost.  
**full-load speed:** 450 r.p.m. standard.  
**bearings:** Ball bearings on armature and intermediate shafts; ball and needle roller bearings on spindle.  
**length overall:** 11 1/8".  
**net weight:** 3 3/4 lbs.  
**shipping weight:** 5 lbs.



## SKIL Driver

**model 304—positive clutch  
(model 499, reversing)**

**no. 12 wood screws,  
self-tapping screws  
1/4" dia. machine screws, nuts**

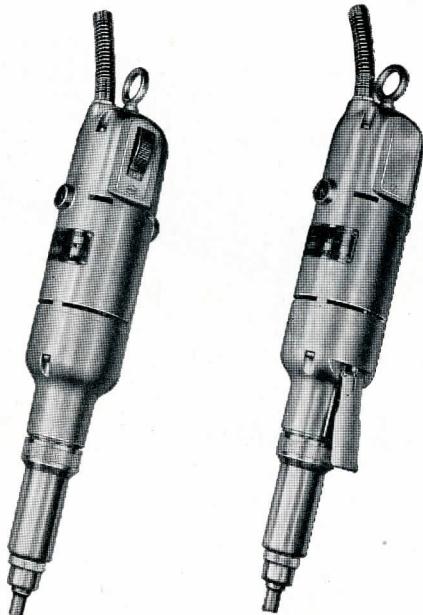
Has the same features and sturdy construction as Model 303, except is equipped with positive clutch. Operator determines point of disengagement by releasing pressure. Recommended for driving screws in wood and other materials where adjustable clutch is not required.

A powerful tool for continuous work in assembly line production of furniture, boats, toys and other products constructed of wood and other similar materials. Where light weight and compactness are important, this model is a natural choice.

**equipment:** 1/4" hexagon quick-change chuck; No. 6764 bit; No. 6754 finder; 3-wire cord and connector.

### specifications

**capacity:** No. 12 wood screws, self-tapping screws; 1/4" machine screws, nuts.  
**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole, momentary contact trigger switch with locking pin.  
**no-load speed:** 750 r.p.m. standard. Speeds of 1000, 1250 r.p.m. at no extra cost.  
**full-load speed:** 450 r.p.m. standard.  
**bearings:** Ball bearings on armature and intermediate shafts; ball and needle roller bearings on spindle.  
**length overall:** 10 1/4".  
**net weight:** 3 3/4 lbs.  
**shipping weight:** 5 lbs.



## SKIL Suspension Drivers

**model 312—adjustable clutch, slide switch  
(model 342, reversing)**

**model 316—adjustable clutch, paddle switch  
(model 346, reversing)**

**1/4" dia. machine screws, nuts  
no. 12 self-tapping screws**

For production line use in assembly of radios, toys, electrical appliances and other products of similar size. Both models have adjustable, double-slip clutches. Model 312 has thumb-operated slide switch mounted at top of tool. Model 316 has paddle switch mounted above clutch bonnet.

**equipment, all models:** 1/4" hexagon quick-change chuck; No. 6764 bit; No. 6754 finder; 3-wire cord and connector.

### specifications, all models

**capacity:** 1/4" diameter machine screws, nuts; or No. 12 self-tapping screws.

**motor:** Universal, D.C. or A.C. up to 60 cycles.

**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.

**switch:** Enclosed double pole, slide or paddle switches.

**no-load speed:** 750 r.p.m. standard. Speeds of 500, 1000, 1250 r.p.m. at no extra cost.

**full-load speed:** 450 r.p.m. standard.

**bearings:** Ball bearings on armature shaft and spindle; ball and needle roller bearings on intermediate shaft.

**length overall:** 15 7/8".

**net weight:** 4 1/2 lbs.

**shipping weight:** 5 3/4 lbs.



## SKIL Suspension Drivers

**model 313—positive clutch, slide switch  
(model 343, reversing)**

**model 317—positive clutch, paddle switch  
(model 347, reversing)**

**no. 12 wood screws and  
self-tapping screws  
1/4" dia. machine screws, nuts**

These suspension drivers have construction and operation features identical to Models 312 and 316, except that they are equipped with positive clutches.

Excellent for production line assembly of wood and composition products where adjustable clutch is not desired.

**equipment, all models:** 1/4" hexagon quick-change chuck; No. 6764 bit; No. 6754 finder; 3-wire cord and connector.

### specifications, all models

**capacity:** No. 12 wood screws and self-tapping screws; 1/4" diameter machine screws, nuts.

**motor:** Universal, D.C. or A.C. up to 60 cycles.

**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.

**switch:** Enclosed double pole slide or paddle switches.

**no-load speed:** 750 r.p.m. standard. Speeds of 500, 1000, 1250 r.p.m. at no extra cost.

**full-load speed:** 450 r.p.m. standard.

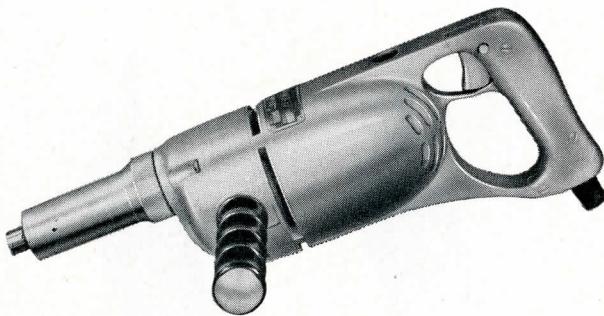
**bearings:** Ball bearings on armature shaft and spindle; ball and needle roller bearings on intermediate shaft.

**length overall:** 15".

**net weight:** 4 1/4 lbs.

**shipping weight:** 5 3/4 lbs.

# SKIL Screwdrivers, Nut Runners



## SKIL Drivers

**model 305—adjustable clutch  
(model 335, reversing)**

**3/8" dia. machine screws, nuts  
5/16" dia. self-tapping screws**

A heavy duty driver for all types of production work. Removable side handle provides needed leverage for resisting torque. Has adjustable, double-slip clutch for driving to a uniform, predetermined tension.

**model 308—adjustable clutch  
(model 338, reversing)**

**1/2" dia. machine screws, nuts  
3/8" dia. self-tapping screws**

One of the most compact  $\frac{1}{2}$ " screwdrivers and nut setters available. Light weight, good balance and side handle insure easy control. Has adjustable, double-slip clutch for driving to a uniform, predetermined tension.

**equipment, all models:**  $\frac{7}{16}$ " hexagon quick-change chuck; No. 6995 bit and finder; 3-wire cord and connector; left side handle.

### specifications, all models

**capacity:** Models 305 and 335,  $\frac{3}{8}$ " diameter machine screws, nuts and  $\frac{5}{16}$ " diameter self-tapping screws. Models 308 and 338,  $\frac{1}{2}$ " diameter machine screws, nuts and  $\frac{3}{8}$ " diameter self-tapping screws.

**motor:** Universal, D.C. or A.C. up to 60 cycles.

**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.

**switch:** Enclosed double pole, momentary contact trigger switch with locking pin.

**no-load speed:** 500 r.p.m. standard. Speeds of 750, 1000, 1600 r.p.m. at extra cost.

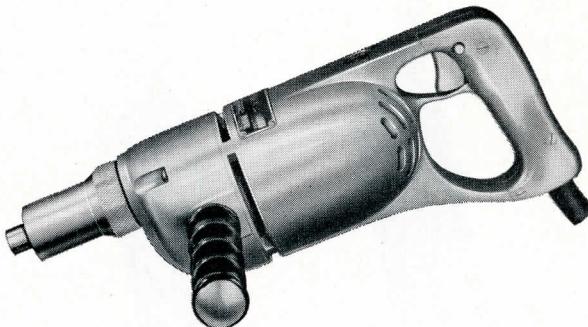
**full-load speed:** 300 r.p.m. standard.

**bearings:** Ball bearings on armature shaft; needle roller bearings on intermediate shaft; ball and needle roller bearings on spindle.

**length overall:** 305 & 335,  $15\frac{5}{8}$ "; 308 & 338,  $16\frac{1}{8}$ ".

**net weight:** 305 & 335,  $8\frac{1}{4}$  lbs.; 308 & 338, 9 lbs.

**shipping weight:** 305 & 335,  $11\frac{1}{4}$  lbs.; 308 & 338, 12 lbs.



## SKIL Drivers

**model 306—positive clutch  
(model 336, reversing)**

**no. 16 wood screws  
3/8" dia. machine screws, nuts  
5/16" dia. self-tapping screws**

Particularly suited for driving fastenings in wood and other materials where adjustable clutch is not needed. Identical to Model 305 opposite, except has positive clutch.

**model 309—positive clutch  
(model 339, reversing)**

**no. 20 wood screws  
1/2" dia. machine screws, nuts  
3/8" dia. self-tapping screws**

Identical to Model 308 opposite, except has positive clutch. For driving fastenings in wood and materials where adjustable clutch is not needed. Compact, well-balanced for production.

**equipment, all models:**  $\frac{7}{16}$ " hexagon quick-change chuck; No. 6995 bit and finder; 3-wire cord and connector; left side handle.

### specifications, all models

**capacity:** models 306 and 336, No. 16 wood screws;  $\frac{3}{8}$ " diameter machine screws, nuts; or  $\frac{5}{16}$ " diameter self-tapping screws. Models 309 and 339, No. 20 wood screws;  $\frac{1}{2}$ " diameter machine screws, nuts; or  $\frac{3}{8}$ " diameter self-tapping screws.

**motor:** Universal, D.C. or A.C. up to 60 cycles.

**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.

**switch:** Enclosed double pole, momentary contact trigger switch with locking pin.

**no-load speed:** 500 r.p.m. standard. Speeds of 750, 1000, 1600 r.p.m. at extra cost.

**full-load speed:** 300 r.p.m. standard.

**bearings:** Ball bearings on armature shaft; needle roller bearings on intermediate shaft; ball and needle roller bearings on spindle.

**length overall:** 306 & 336,  $14\frac{1}{2}$ "; 309 & 339, 15".

**net weight:** 306 & 336,  $8\frac{1}{2}$  lbs.; 309 & 339, 9 lbs.

**shipping weight:** 306 & 336,  $11\frac{1}{4}$  lbs.; 309 & 339,  $11\frac{3}{4}$  lbs.

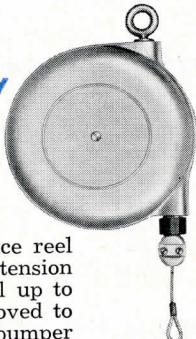
# SKIL Driver, Runner Accessories

## SKIL balance reel No. 6767 0-10 lbs. capacity

An essential accessory for assembly or production line use of portable electric and pneumatic tools. Saves lost motion, speeds production, is less tiring to operator, and helps prevent tool damage from dropping or rough handling. Balance reel is suspended over work position, tension adjusted to counterbalance any tool up to 10 lbs. in weight, and cable stop moved to any length up to 6 feet. Rubber bumper absorbs recoil.

Has sturdy cast aluminum housing, sealed against dust and grit. Self-lubricating bearings eliminate maintenance, provide smooth, effortless operation. Net weight, 6½ lbs.; shipping weight, 7½ lbs.

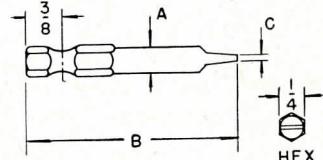
**No. 6779**—Attachment Clip. Spring clip for attaching tools without suspension bail or open hook.



## bits for slotted head screws

### 1/4" hexagon shank

for models 303, 304, 312, 313, 316, 317

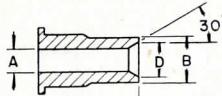


part no.	bit size	wood screws		machine screws		A (in.)	B (in.)	C (in.)
		flat	round	flat*	round			
6761	4F- 5R	4	5	4	5	.187	115/16	.032
6762	5F- 6R	5	6	5	6	.250	115/16	.036
6763	6F- 7R	6	8	6	8	.250	115/16	.040
6764	8F-10R	8	10	8	10	.275	115/16	.040
6765	10F-12R	10	12	10	12	.312	115/16	.046
6766	12F-14R	12	14	12	1/4	.360	115/16	.050
6534	4F- 5R	4	4	4	4	.187	3 1/2	.032
6535	5F- 6R	5	6	5	6	.250	3 1/2	.036
6536	6F- 7R	6	8	6	8	.250	3 1/2	.040
6537	8F-10R	8	10	8	10	.275	3 1/2	.040
6538	10F-12R	10	12	10	12	.312	3 1/2	.046
6539	12F-14R	12	14	12	1/4	.360	3 1/2	.050

\*Also for oval, fillister and binding head screws.

## finders

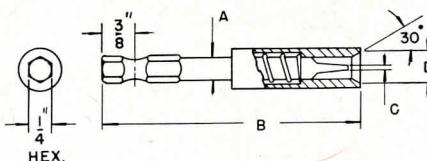
for models 303, 304, 312, 313, 316, 317



part no.	bit size	A (inches)	B (inches)	D (inches)	E (inches)				
						flat and oval	round and fillister	flat, oval and binding	round and fillister
6751	4F- 5R	.196	19/64	1/4	1 1/16				
6752	5F- 6R	.260	23/64	5/16	1 1/16				
6753	6F- 7R	.260	25/64	3/8	1 1/16				
6754	8F-10R	.290	15/32	7/16	1 1/16				
6755	10F-12R	.323	17/32	15/32	1 1/16				
6756	12F-14R	.375	9/16	33/64	1 1/16				
6194	4F- 4R	.196	19/64	1/4	2 5/8				
6195	5F- 6R	.260	23/64	5/16	2 5/8				
6196	6F- 8R	.260	25/64	3/8	2 5/8				
6197	8F-10R	.290	15/32	7/16	2 5/8				
6198	10F-12R	.323	17/32	15/32	2 5/8				
6199	12F-14R	.375	9/16	33/64	2 5/8				

## extension bits with finders

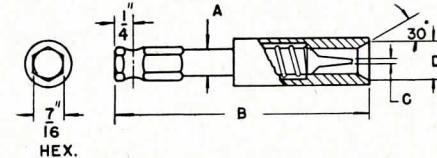
1/4" hexagon shank for models 303, 304, 312, 313, 316, 317



part no.	bit size	A (inches)	B (inches)	C (inches)	D (inches)
6771	5F- 6R	.193	3 3/4	.032	.296
6772	6F- 8R	.241	3 3/4	.036	.390
6773	8F-10R	.290	3 3/4	.040	.437
6774	10F-12R	.350	3 3/4	.045	.500
6775	5F- 6R	.193	6 3/4	.032	.296
6776	6F- 8R	.241	6 3/4	.036	.390
6777	8F-10R	.290	6 3/4	.040	.437
6778	10F-12R	.350	6 3/4	.045	.500

## bits with finders, replacement bits

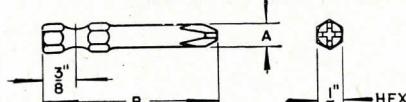
7/16" hexagon shank for models 305, 306, 308, 309



part no. bit and finder	part no. bit only	bit size	A (in.)	B (in.)	C (in.)	D (in.)
6991	6551	6F- 8R	.241	3 3/4	.036	.390
6992	6552	8F-10R	.290	3 3/4	.040	.437
6993	6553	10F-12R	.350	3 7/8	.045	.500
6994	6554	12F-14R	.395	3 7/8	.049	.546
6995	6555	14F-16R	.457	4 1/8	.054	.609
6996	6556	16F-18R	.503	4 1/8	.057	.656
6998	6557	20F-22R	.545	4 1/8	.062	.703
6135	6558	22F-24R	.597	4 1/8	.066	.857

## phillips bits

1/4" hexagon shank for models 303, 304, 312, 313, 316, 317 (no finders required)

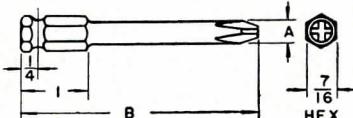


part no.	point size	A	B	wood screws		machine screws	
				flat and oval	round and fillister	flat, oval and binding	round and fillister
6781	1	.187	115/16	Nos. 4 & smaller	Nos. 4 & smaller	Nos. 4 & smaller	Nos. 4 & smaller
6782	1	.187	3 1/2	5 to 9	5 to 10	5 to 10	5 to 10
6783	2	.248	115/16	5 to 9	5 to 10	5 to 10	5 to 10
6784	2	.248	3 1/2	5 to 9	5 to 10	5 to 10	5 to 10
6785	3	.312	115/16	10 to 16	11 to 16	12 to 1/4	12 to 5/16
6786	3	.312	3 1/2	10 to 16	11 to 16	12 to 1/4	12 to 5/16

# SKIL Driver, Runner Accessories

## phillips bits

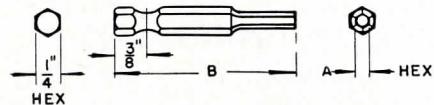
7/16" hexagon shank for models 305, 306, 308, 309 (no finders required)



part no.	point size	wood screws		machine screws	
		flat and oval	round and fillister	flat, oval and binding	round and fillister
6651	2	.248	3 1/2	Nos. 5 to 9	Nos. 5 to 10
6652	2	.248	4 1/2	5 to 9	5 to 10
6653	3	.312	3 1/2	10 to 16	11 to 16
6654	3	.312	4 1/2	10 to 16	11 to 16
6655	4	.373	3 1/2	18 to 24	18 to 24
6656	4	.373	4 1/2	18 to 24	18 to 24

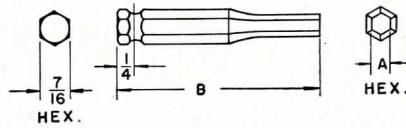
## bits for hexagon socket screws

1/4" hexagon shank for models 303, 304, 312, 313, 316, 317 (no finders required)



part no.	cap screw	flat head machine screw	set screw	dim. A (inches)	dim. B (inches)
		No. 5-6	No. 8	No. 10-12	3/32
6894	No. 8	No. 10-12	1/4	1/8	115/16
6895	No. 10-12	1/4	5/16	5/32	115/16
6896	1/4	5/16	3/8	3/16	115/16

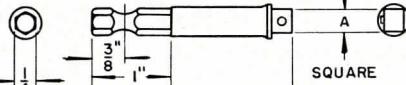
## 7/16" hexagon shank for models 305, 306, 308, 309 (no finders required)



part no.	cap screw	flat head machine screw	set screw	pipe plug	dim. A (inches)	dim. B (inches)
		No. 5-6	No. 8	No. 10-12	3/32	115/16
6671	1/4	5/16	3/8	1/8	3/16	3
6672	5/16	3/8	7/16	—	7/32	3
6673	—	7/16	1/2	1/4	1/4	3
6674	3/8	7/16	1/2	5/8	5/46	3
6675	1/8	9/16	5/8	3/4	3/8	3

## socket wrench shanks

1/4" hexagon shank



part no.	dim. A (inches)		dim. B (inches)	
	6791	6792	6795	6796
6791	1/4	1/4	9/32	9/32
6792	1/4	6	2	6
6795	9/32	2	2	2
6796	9/32	6	6	6
6793	3/8	2	2	2
6794	3/8	6	6	6

cont. next column

## 7/16" hexagon

part no.

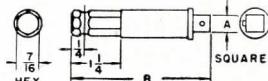
dim. A (inches)

dim. B (inches)

6661  
6662  
6663  
6664

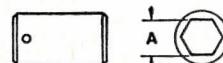
3/8  
3/8  
1/2  
1/2

2 3/4  
5  
2 3/4  
5



## hexagon sockets

for use with socket wrench shanks



1/4" square drive

9/32" square drive

part no.	dim. A (inches)	part no.	dim. A (inches)
----------	-----------------	----------	-----------------

6681  
6682  
6683  
6684  
6685  
6686

3/4  
9/32  
5/16  
11/32  
3/8  
7/16

1/4  
9/32  
5/16  
11/32  
3/8  
7/16

3/8" square drive

1/2" square drive

part no.	dim. A (inches)	part no.	dim. A (inches)
----------	-----------------	----------	-----------------

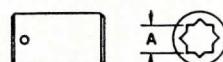
6503  
6504  
6505  
6506  
6508

3/8  
7/16  
1/2  
9/32  
5/8  
11/16  
6526  
6527  
6528  
6529  
6530  
6531

1/2  
9/16  
19/32  
5/8  
11/16  
3/4  
25/32  
13/16  
7/8  
15/16  
1

## double square sockets

for use with socket wrench shanks



1/4" square drive

9/32" square drive

part no.	dim. A (inches)	part no.	dim. A (inches)
----------	-----------------	----------	-----------------

6693  
6695

5/16  
3/8

1/4  
9/32  
3/8

3/8" square drive

1/2" square drive

part no.	dim. A (inches)	part no.	dim. A (inches)
----------	-----------------	----------	-----------------

6511  
6512  
6513  
6514

5/16  
3/8  
7/16  
1/2

1/2  
9/16  
5/8  
11/16  
3/4  
13/16  
7/8  
1

# SKIL Sanders

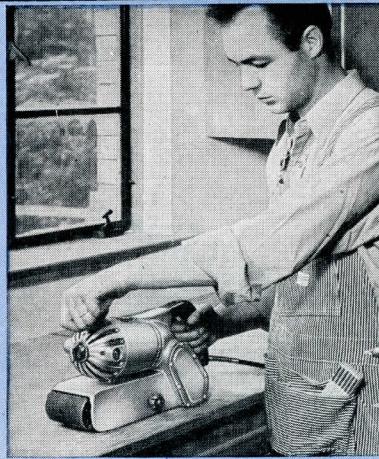
## SKIL Sanders

### for fastest finishing at lowest cost

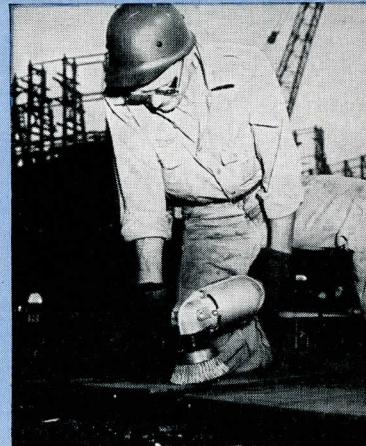
The most complete line of sanders, SKIL Sanders give the solution to every type of surfacing problem in every industry. Each sander . . . belt, disc, oscillating or floor type . . . is engineered to do a specific range of jobs. A number of models of each type enables the user to select the sander which will meet his requirements with greatest efficiency.

Differing in specifications, SKIL Sanders reflect the same durability, power and fine craftsmanship found in all SKIL Tools. Your SKIL Distributor stocks all of these high quality sanders; ask for a demonstration.

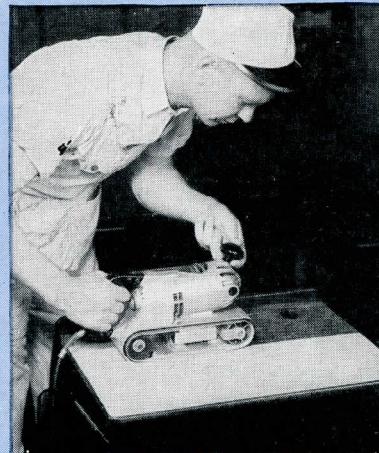
**SKIL**  
PORTABLE TOOLS



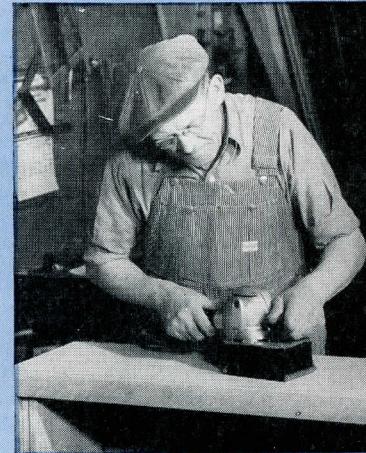
For rough or fine sanding of wood, metal, stone and other materials, SKIL Belt Sanders provide the most efficient and convenient method. Their easy portability saves time and labor in sanding on a variety of jobs.



Selected by many industries, SKIL Disc Sanders may be used effectively with wire cup brushes and cup grinding wheels for removing rust, scale and paint; cleaning tanks, boilers, concrete forms.



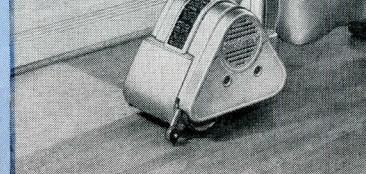
Widely used by carpenters, cabinet makers, schools and institutions, SKIL Belt Sanders are excellent for refinishing blackboards, desks, antiques, office equipment, and furniture of all kinds with great savings over other methods.



SKIL Oscillating Sander with improved paper clamping device is an outstanding value in a fine finishing sander. Compact, powerful and efficient, Model 438 sands, rubs and polishes any surface to a beautiful finish.

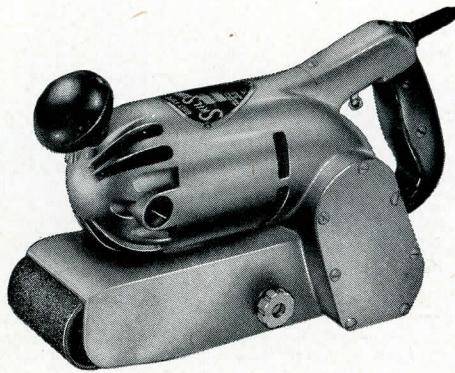


Constantly used by hundreds of flooring contractors and others for surfacing new floors and resurfacing old, SKIL Floor Sanders consistently turn in a superior sanding job. Used in combination with SKIL Floor Edger.



Auto body shops praise SKIL Disc Sanders for performance and durability under continuous use. Perfect for sanding down bumped-out sheet metal, removing excess body solder, weld beads, rust and paint.

# SKIL Belt Sanders



## SKIL 2 1/4" Belt Sander

model 325

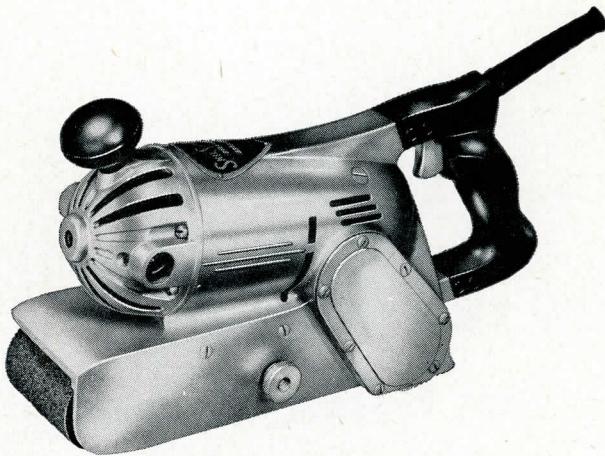
Here is the outstanding low priced belt sander . . . offering quality construction and performance demanded by skilled craftsmen. The extra value built into this sander makes it tops for the home craftsman and for many final finishing operations in small woodworking and cabinet shops.

Lightweight, easy to handle, speeding work and producing a smooth ripple-free finish many times easier and faster than sanding by hand. Safety switch prevents accidental starting. Visible oil level indicator.

**equipment:** 3-wire cord and connector; medium grit sanding belt; lubricant.

### specifications

**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole, momentary contact switch.  
**belt speed:** 600 feet per minute, no-load.  
**bearings:** Ball and self-lubricating bearings on armature and transverse shafts; self-lubricating bearings on front and rear pulleys.  
**pulleys:** 2" diameter.  
**belt:** 2 1/4" wide. Centered by convenient adjusting knob; automatically tensioned.  
**flush side:** Right side is flush for sanding close to upright objects.  
**size overall:** 3 3/4" wide x 12" long x 7" high.  
**net weight:** 10 1/4 lbs.  
**shipping weight:** 13 1/4 lbs.



## SKIL 3" Belt Sander

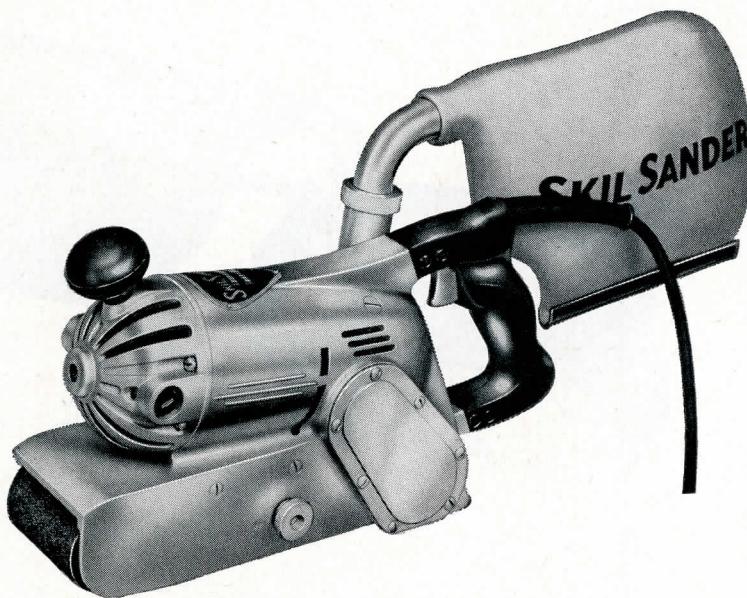
model 448

This completely redesigned belt sander is an improved version of the most popular belt sander made. Incorporating many refinements to increase its already outstanding record for durability and performance, Model 448 has proved itself the best belt sander of this capacity available. Produces a perfectly smooth finish on all materials . . . wood, metal or composition . . . assuring both faster production and finer workmanship. Comfortable, patented contour-grip handle design plus auxiliary front grip provide easiest control. Preferred in woodworking and cabinet shops, schools, wood pattern shops, shipyards and maintenance departments. Excellent for refinishing office and school furniture, slate blackboards. Visible oil level indicator.

**equipment:** 3-wire cord and connector; medium grit sanding belt; lubricant.

### specifications

**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole, momentary contact trigger switch.  
**belt speed:** 1200 feet per minute, no-load.  
**bearings:** Ball bearings on armature and transverse shafts; self-lubricating bearings on front and rear pulleys.  
**pulleys:** 2 1/4" diameter.  
**belt:** 3" wide. Centered by convenient adjusting knob; automatically tensioned.  
**flush side:** Right side is flush for sanding close to upright objects.  
**size overall:** 4 1/4" wide x 15 1/4" long x 8 1/2" high.  
**net weight:** 15 3/4 lbs.  
**shipping weight:** 20 lbs.



## SKIL 3" Belt Sander

model 449  
with vacuum dust collector

Built to meet the extensive demand for a medium size belt sander with dust pick-up, Model 449 meets all requirements of interior sanding work. Similar to Model 448 in construction, but with special centrifugal fan mounted on armature shaft extension. Fan draws dust up through slotted rear housing and discharges it into cloth bag which is easily removed for cleaning.

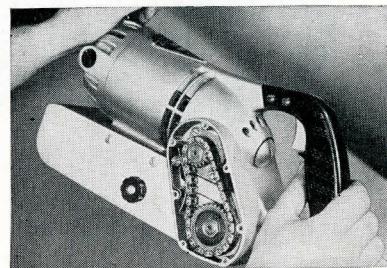
Now available for the first time in a SKIL 3" Belt Sander, this efficient vacuum dust collector fills a need for dust-free sander operation in interior remodeling work, or in locations where sanding dust interferes with other operations.

Exclusive, patented contour-grip handle design gives day-long sanding comfort. Scientifically shaped contours provide the utmost in handling ease, prevent crowded or cramped fingers.

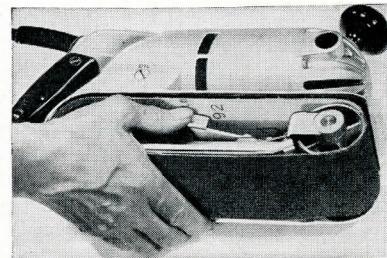
**equipment:** 3-wire cord and connector; medium grit sanding belt; heavy fabric dust bag with metal slide closure; lubricant.

### specifications

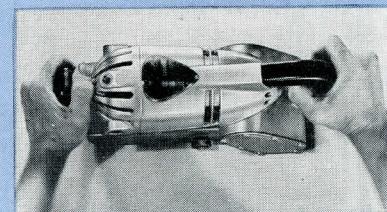
**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole, momentary contact trigger switch.  
**belt speed:** 1200 feet per minute, no-load.  
**bearings:** Ball bearings on armature and transverse shafts; self-lubricating bearings on front and rear pulleys.  
**pulleys:** 2 $\frac{1}{4}$ " diameter.  
**belt:** 3" wide. Centered by convenient adjusting knob; automatically tensioned.  
**flush side:** Right side is flush for sanding close to upright objects.  
**vacuum system:** Centrifugal fan, mounted on armature shaft extension.  
**size overall:** 4 $\frac{1}{4}$ " wide x 15 $\frac{1}{4}$ " long x 8 $\frac{1}{2}$ " high, less dust bag.  
**net weight:** 16 lbs.  
**shipping weight:** 20 $\frac{1}{2}$  lbs.



To transmit maximum motor power to drive pulleys on all SKIL Belt Sanders, this small, high speed endless chain was developed. This feature coupled with a worm drive to the transverse shaft, insures extremely quiet operation.

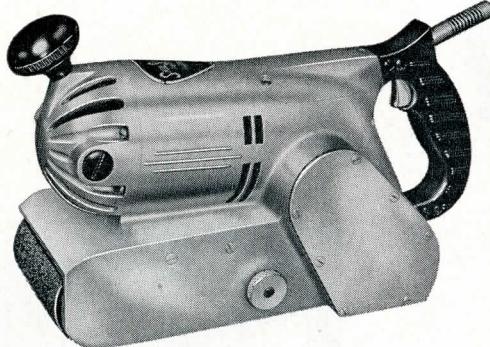


Belt changes are made in seconds due to "touch-control" lever on all SKIL Belt Sanders. This lever instantly releases tension on belt so that it can be taken off quickly and replaced. Note flush side design to permit sanding next to uprights, moldings and other vertical surfaces.



When doing vertical sanding jobs, just move auxiliary knob handle from top of sander to nose, making it more convenient to use. Knob is easily placed in either position by merely unscrewing.

# SKIL Belt Sanders



## SKIL 4 1/2" Belt Sander

model 323

Design, construction, engineering features and performance make Model 323 the outstanding heavy duty belt sander on the market. For continuous use in a wide variety of wood, metal and composition fabricating plants where heavy sanding must be fast and uniform. Excellent for use in furniture plants, schools, shipyards, millwork and cabinet shops; for facing stone, beveling glass, surfacing metal and hundreds of maintenance jobs. The utmost in sanding production is assured with Model 323. Visible oil level indicator.

**equipment:** 3-wire cord and connector; medium grit sanding belt; lubricant.

### specifications

**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole, momentary contact trigger switch.  
**belt speed:** 1300 feet per minute, no-load.  
**bearings:** Ball and needle roller bearings on all shafts.  
**pulleys:** 2 1/2" diameter.  
**belt:** 4 1/2" wide. Centered by convenient adjusting knob; automatically tensioned.  
**flush side:** Right side is flush for sanding close to upright objects.  
**size overall:** 6" wide x 15 3/4" long x 9 1/4" high.  
**net weight:** 23 lbs.  
**shipping weight:** 29 lbs.

## SKIL 4 1/2" Belt Sander

model 324  
with vacuum dust collector

Ideal for use where dust and dirt created in sanding is objectionable. An excellent choice for fast interior refinishing or remodeling jobs. Loading of belts is lessened, giving faster sanding and longer belt life. All construction features of Model 324 are same as Model 323 opposite, plus an efficiently designed vacuum system of simple construction. A centrifugal fan is gear driven from the motor, with intake placed to pick up sanding dust.

**equipment:** 3-wire cord and connector; medium grit sanding belt; heavy fabric dust bag with metal slide closure; lubricant.

### specifications

**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole, momentary contact trigger switch.  
**belt speed:** 1300 feet per minute, no-load.  
**bearings:** Ball and needle roller bearings on all shafts.  
**pulleys:** 2 1/2" diameter.  
**belt:** 4 1/2" wide. Centered by convenient adjusting knob; automatically tensioned.  
**flush side:** Right side is flush for sanding close to upright objects.  
**vacuum system:** Driven through gears by motor. Centrifugal fan.  
**size overall:** 6" wide x 15 3/4" long x 9 1/4" high, less dust bag.  
**net weight:** 25 lbs.  
**shipping weight:** 30 3/4 lbs.

# SKIL Sander Belts



## SKIL Sander Belts

### GRITS ON EDGE

Made by the famous "Grits-on-Edge" process which sets abrasives with sharpest edges at cutting surface to give faster cutting action and longer belt life. Only electric furnace abrasives (far harder than natural abrasives) are used in the manufacture of SKIL Sander Belts. Each belt is precisely cut, bonded and gauged to insure an exact fit.

Types "A," "B" and "D" are aluminum oxide; type "C" is silicon carbide. Conveniently packaged, ten belts to a carton. The following listings will help in selecting the proper type and grit for your needs. See price list for quantity discounts.

type	material
A	New or unfinished wood of all kinds, non-ferrous metals such as lead, copper, solder.
B	Ferrous metals; also bronze, brass, aluminum and other dense alloys. Wiping work with cutting oil is often helpful.
C	Slate, marble, limestone, concrete, glass; other natural and cast stone. Use care in selecting proper grit.
D	Removing varnish, lacquer and paint. Use light pressure, keep sander moving. Also for resinous or green wood.
Fabric	Finish grinding, rubbing or polishing of metal and stone with proper grinding or polishing compound. Not for painted or varnished surfaces.

### comparative grit table

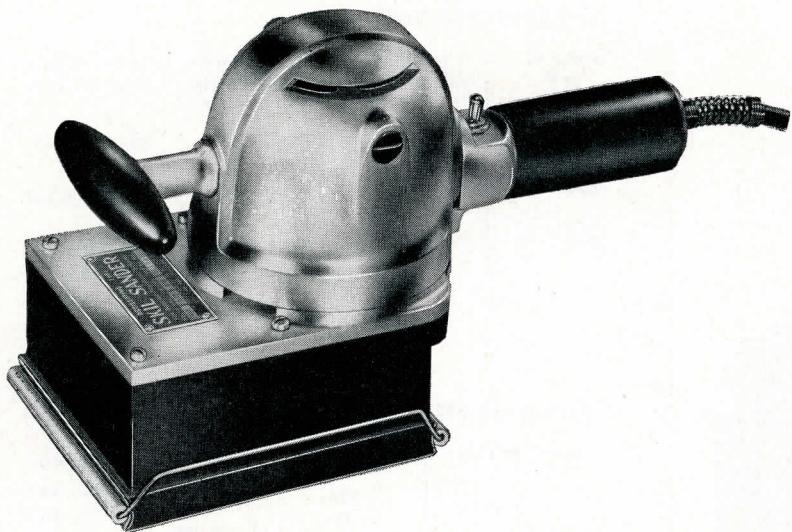
class of grit	wood finishing grit size	metal finishing grit size	stone finishing grit size
Coarse Grit	3, 2 1/2, 2	24, 30, 36	24, 30, 36, 40
Medium Grit	1 1/2, 1, 1/2	40, 50, 60	50, 60, 80, 100
Fine Grit	1/0, 2/0, 3/0	80, 100, 120, 180, 220, 320	120, 180, 220, 320

### Listing of SKIL Sander Belts\*

nominal sizes	2 1/4" x 21 5/16"	3" x 23 3/4"	4 1/2" x 26"
for models	325 JY	448, 449 9, ZP	323, 324 AR, BR A, B
type	grit	part no., ea.	part no., ea.
A	3	7801	7829
A	2 1/2	7802	7830
A	2	7803	7831
A	1 1/2	7804	7832
A	1	7805	7833
A	1/2	7806	7834
A	1/0	7807	7835
A	2/0	7808	7836
A	3/0	7809	7837
B	24	7810	7838
B	30	7811	7839
B	36	7812	7840
B	40	7813	7841
B	50	7814	7842
B	60	7815	7843
B	80	7816	7844
B	100	7817	7845
B	120	7818	7846
B	150	7819	7847
B	180	7820	7848
B	220	7821	7849
B	320	7822	7850
C	24	—	7851
C	30	—	7852
C	36	—	7853
C	40	—	7854
C	50	—	7855
C	60	—	7856
C	80	—	7857
C	100	—	7858
C	120	—	7859
C	150	—	7860
C	180	—	7861
C	220	—	7862
C	320	—	7863
D	3	7823	7864
D	2 1/2	7824	7865
D	2	7825	7866
D	1 1/2	7826	7867
D	1	7827	7868
D	1/2	7828	7869
Fabric Belts	5050	3324	926

\*See price list for quantity discounts.

# SKIL Oscillating Sander



Rapidly growing in popularity with carpenters, cabinet shops and woodworking industries everywhere, SKIL Oscillating Sander does finishing work many times faster than by hand. Gets in corners easily; features simple paper attachment and quiet, gearless drive.

## SKIL Oscillating Sander

model 438

One of the fastest-cutting, portable finishing sanders made. Exclusive compound motion produces the smoothest possible finishes. Gearless drive prevents expensive maintenance costs; reduces noise and vibration. New, simplified sandpaper clamp uses  $\frac{1}{3}$  of standard 9" x 11" abrasive sheet. Paper may also be applied with special adhesive for working in corners. This is an easily operated tool which quickly pays for itself with time saved over tedious hand sanding, rubbing and polishing.

**equipment:** 3 assorted sheets 4 $\frac{1}{2}$ " x 5 $\frac{1}{2}$ " sandpaper with 4 oz. bottle of cement for applying; 3 assorted sheets 4 $\frac{1}{2}$ " x 6 $\frac{1}{2}$ " sandpaper with metal clamp; instructions; 3-wire cord and connector.

### specifications

**abrading surface:** 4 $\frac{1}{2}$ " x 5 $\frac{1}{2}$ ". Uses: (a) 4 $\frac{1}{2}$ " x 5 $\frac{1}{2}$ " or  $\frac{1}{3}$  sheet of 9" x 11" standard paper by applying with special rubber cement listed below; (b) 4 $\frac{1}{2}$ " x 6 $\frac{1}{2}$ " or  $\frac{1}{3}$  sheet of 9" x 11" standard paper by applying with paper clamp device.

**motor:** Universal, D.C. or A.C. up to 60 cycles.

**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at extra cost.

**switch:** Enclosed toggle switch.

**speed:** 5500 cycles per minute.

**bearings:** Ball bearings throughout.

**eccentric shaft:** Mounted on 3 ball bearings, sealed against dust and dirt.

**vibrating head:** Molded synthetic rubber, unaffected by oil or grease.

**length overall:** 7 $\frac{3}{4}$ ".

**net weight:** 7 $\frac{1}{2}$  lbs.

**shipping weight:** 10 lbs.



## SKIL 7" Disc Sander

### model 551 compact special duty

Here's the newest in low-priced disc sanders. Close-coupled new design means easier operation than ever before . . . at any angle, in any position. Amply powered for regular use in auto body repair shops, garages and anywhere fast sanding of metal, wood or composition materials is required.

Full-size 7" disc makes quick work of any sanding job; perfect balance insures easy control. Model 551 is lighter in weight than many less powerful disc sanders. May also be used with 3 1/4" wire cup brush for cleaning rust, scale and paint. Model 551 will pay for itself in a few jobs.

**note to distributors:** Model 551 is shipped in a colorful self-display carton of real merchandising value for your counter or window.

**equipment:** 7" molded rubber pad; 3 assorted sanding discs; left side handle; wrench; 3-wire cord and connector.

#### specifications

**capacity:** 7" backing pad and disc; 3 1/4" wire cup brush.  
**spindle diameter:** 5/8"-11 thread.  
**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole slide switch.  
**speed:** 4200 r.p.m., no-load.  
**bearings:** Ball and self-lubricating bearings on all shafts.  
**length overall:** 9 1/2", not including pad.  
**net weight:** 7 lbs.  
**shipping weight:** 12 lbs.



## SKIL 7" Disc Sander

### model 12 standard duty

Designed particularly for auto body and fender work and for smoothing welds or castings in industrial plants. Quickly removes stencil lettering and labels from barrels and shipping cases.

4200 r.p.m. speed gives the most efficient sanding action possible for sanding metal, wood and many other materials. Gear locking pin speeds changing of discs. May be used with cup grinding wheels or wire cup brushes up to 4" diameter for removing rust and dirt from metal surfaces, cleaning scale from castings and countless other operations.

**equipment:** 7" molded rubber pad; 3 assorted sanding discs; detachable handle for right or left side; tool rest; wrench; 3-wire cord and connector.

#### specifications

**capacity:** 7" backing pad and disc; 4" wire cup brush or cup grinding wheel.  
**spindle diameter:** 5/8"-11 thread.  
**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole slide switch.  
**speed:** 4200 r.p.m.  
**bearings:** Ball bearings on all shafts.  
**length overall:** 15 3/4", not including pad.  
**net weight:** 10 lbs.  
**shipping weight:** 15 1/4 lbs.

# SKIL Disc Sanders



## SKIL 7" Disc Sander

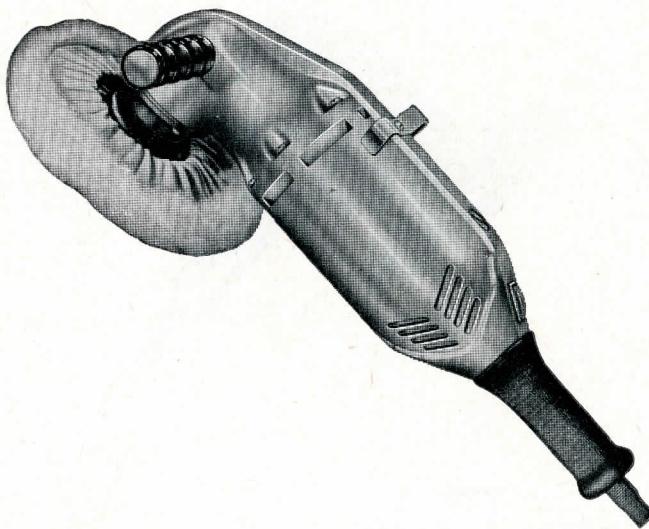
model 11  
heavy duty

A very powerful tool for tough sanding, cleaning or grinding jobs on repair work or intermittent production jobs. Ideal for removing weld marks on sheet metal; for auto body, truck and tank repair work and similar requirements; for cleaning concrete forms in the least possible time. With cup grinding wheels or wire cup brushes up to 5" diameter, Model 11 is suitable for many cleaning and grinding operations. An excellent choice for jobs where a 7" disc sander is given consistently heavy use. Gear locking pin for quick disc changes.

**equipment:** 7" molded rubber pad; 3 assorted sanding discs; detachable handle for right or left side; molded rubber sleeve rear handle grip; tool rest; wrench; 3-wire cord and connector.

### specifications

**capacity:** 7" backing pad and disc; 6" wire cup brush or 5" cup grinding wheel.  
**spindle diameter:**  $5/8"$ —11 thread.  
**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole slide switch.  
**speed:** 4200 r.p.m., no-load.  
**bearings:** Ball bearings on all shafts.  
**length overall:** 16 $3/4$ ", not including pad.  
**net weight:** 11 $3/4$  lbs.  
**shipping weight:** 17 $1/2$  lbs.



## SKIL 7" Sander-Polisher

model 14  
two-speed

An economical and highly useful tool for garages and body shops as well as for a wide variety of sanding, buffing and polishing jobs. Not an ordinary dual-purpose tool, but has two sets of gears for efficient work on either sanding or polishing at the flick of a lever.

Gear locking pin makes changing of sanding discs, pads and accessories simple and fast. Brushes and commutator enclosed for protection against dust and grit. Not for use with grinding wheels or heavy wire cup brushes.

**equipment:** 7" molded rubber pad; 3 assorted sanding discs; sponge rubber polishing pad; lambswool polishing bonnet; reversible side handle; rubber sleeve grip rear handle; tool rest; long and standard backing pad nuts; wrench; 3-wire cord and connector.

### specifications

**capacity:** 7" backing pad with sanding or polishing accessories.  
**spindle diameter:**  $5/8"$ —11 thread.  
**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole slide switch.  
**speeds:** 4200 r.p.m. no-load for sanding; 1300 r.p.m. no-load for buffing, polishing.  
**bearings:** Ball bearings on all shafts.  
**length overall:** 18 $1/2$ ", not including pad.  
**net weight:** 14 lbs.  
**shipping weight:** 21 lbs.



## SKIL 9" Disc Sander

model 540  
heavy duty

A disc sander with power to spare for the heaviest industrial, construction or automotive sanding, wire brushing or grinding jobs. Used by foundries, machine shops, welders, maintenance departments, ship builders, contractors. Fully protected commutator, brushes and switch. Spindle lock for quick accessory changes. Large disc size allows re-use of discs with 7" pad. Will handle 5" cup grinding wheels or 6" wire cup brushes.

**equipment:** 9" molded sisal pad; 3 assorted sanding discs; reversible side handle and rear handle rubber sleeve grip; tool rest; eye bolt; wrench; 3-wire cord and connector.

### specifications

**capacity:** 9" backing pad and sanding disc; 6" wire cup brush; 5" cup grinding wheel.  
**spindle diameter:**  $5/8"$ —11 thread.  
**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole slide switch.  
**speed:** 4200 r.p.m., no-load.  
**bearings:** Ball bearings on all shafts.  
**length overall:** 18", not including pad.  
**net weight:** 14 $\frac{1}{4}$  lbs.  
**shipping weight:** 20 lbs.



## SKIL Sander-Grinder

model 13  
heavy duty

Designed for a wide variety of heavy duty surfacing operations. The moderate speed and high torque of this unit insure top performance under maximum load conditions.

Built for use with 5" cup grinding wheels, 6" wire cup brushes, 7" or 9" sanding discs. Identical to Model 540 opposite, but without accessories. See pages 52 and 53 following for a complete listing.

**equipment:** Reversible side handle and rear handle rubber sleeve grip; tool rest; eye bolt; wrench; 3-wire cord and connector. No accessories are supplied in order to allow purchaser to select the proper ones for his exact requirements.

### specifications

**capacity:** 9" backing pad and sanding disc; 6" wire cup brush; 5" cup grinding wheel.  
**spindle diameter:**  $5/8"$ —11 thread.  
**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole slide switch.  
**speed:** 4200 r.p.m., no-load.  
**bearings:** Ball bearings on all shafts.  
**length overall:** 18".  
**net weight:** 14 $\frac{1}{4}$  lbs.  
**shipping weight:** 19 lbs.

# SKIL Disc Sander Accessories



## SKIL Sanding Discs

For most efficient sanding and longest wear, use only SKIL Sanding Discs. Extra-hard aluminum oxide grits are phenol-resin bonded to a sturdy fiber backing, keep cutting under heavy use. This quality sanding disc may even be dipped in gasoline and scrubbed for re-use if grits become clogged with material being sanded!

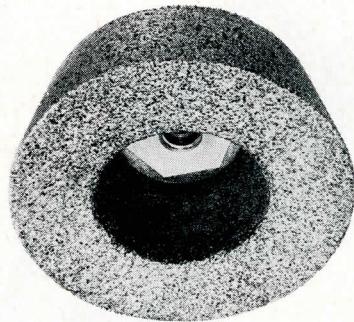
A wide variety of grit sizes is available in both 7" and 9" diameter discs. Use close coat type "K" discs for metal, wood, stone or marble; use open coat type "H" discs for soft materials, removing paint and varnish. Conveniently packaged in quantities of 10 or 25, according to listing below. See price list for quantity discounts.

7" diam. no.	9" diam. no.	grit	type	no. discs per package
7911	7922	16	K	10
7912	7923	24	K	10
7913	7924	30	K	10
7914	7925	36	K	10
7915	7926	50	K	10
7916	7927	60	K	10
7917	7928	80	K	10
7918	7929	100	K	25
7919	7930	120	K	25
7920	7931	150	K	25
7921	7932	180	K	25
7933	7936	16	H	10
7934	7937	24	H	10
7935	7938	30	H	10

## SKIL Disc Cutter

**No. 4746**

An accurate, precision trimming device for cutting either 7" or 9" diameter sanding discs to smaller diameters for use with 5" or 7" backing pad. Since sanding discs receive most wear on outer edge of disc, this cutter makes re-use of sanding discs both practical and economical.



## SKIL Cup Grinding Wheels

These high quality cup grinding wheels give top efficiency for fastest grinding and long wheel life. Each wheel has a  $5/8$ "-11 thread bushing molded integrally for convenience in mounting wheel direct to disc sander spindle. See chart below for the many materials these wheels will work. *Use of wheel guard listed is recommended for complete safety.*

### order by number

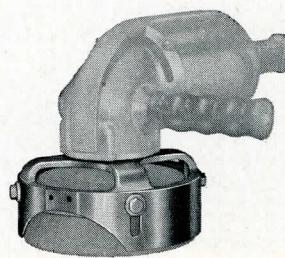
coarse med.	fine	4" diameter for model 12		5" diameter for models 11, 540 and 13		6" diameter for model 320	
		coarse	med.	coarse	med.	coarse	med.
for art marble and terrazzo		5405	5406	5408	5409	5408	5409
for marble and onyx		5406	5407	5409	5410	5409	5410
for concrete, cement block and brick		5421	5422	5427	5405	5428	5408
for granite		5405	5406	5408	5409	5408	5409
for granite composition blocks		5406	5407	5409	5410	5409	5410
for limestone and sandstone		5422	5423	5405	5406	5408	5409
for porcelain and vitreous ware		5406	5407	5409	5410	5409	5410
for cast iron, bronze, un-annealed malleable iron, white iron		5421	5451	5455	5456	5457	5458
for steel castings, steel welds, structural members, annealed malleable iron		5459	5460	5463	5464	5465	5466

## Grinding Wheel Guards

**No. 2799**—For Models 11, 12.

**No. 4767**—For Models 13, 540.

Attach directly to lower bearing plate of sander. Adjustable sleeve allows for full wear of grinding wheels.



# SKIL Disc Sander, Polisher Accessories

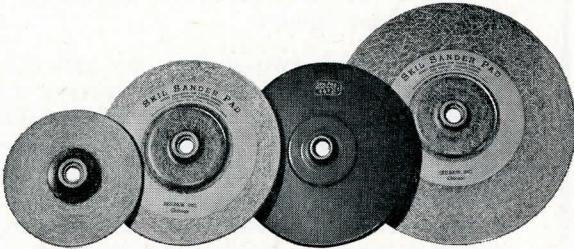


## SKIL Wire Cup Brushes

Highly practical and economical for cleaning castings, structural steel, tanks, vats, sheet metals, stone, concrete and a variety of other materials. May be used in place of sanding discs for removal of heavy rust, scale and paint.

part no.	diam. of brush	diam. of wire	face
2464	3½ in.	.020 Crimp	Single Row
2465	6 in.	.035 Knot	Single Row
2479	6 in.	.020 Knot	Double Row
2496	6 in.	.020 Knot	Single Row

Note: No. 2479 is specially built for heavy duty work. Recommended for use with Model 320.



## SKIL Backing Pads

Due to the heavy duty service required of SKIL Disc Sanders, occasional replacement of backing pads is necessary. For flexible sanding action, select molded rubber pads; for stiffer action, order molded sisal pads.

- No. 4660**—5" molded sisal pad.
- No. 2492**—7" molded sisal pad.
- No. 4675**—7" molded rubber pad.
- No. 4773**—9" molded sisal pad.
- No. 2427**—Standard backing pad nut.
- No. 2445**—Pad nut wrench.

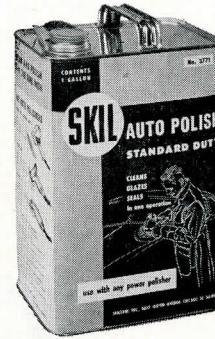
## Polisher Accessories

- No. 4679**—7" molded rubber backing pad for use with all SKIL Polishers.
- No. 6496**—7" sponge rubber cushion. Used with pad above.
- No. 4699**—Long pad nut. Clamps sponge rubber and backing pads to polisher spindle.
- No. 2445**—Pad nut wrench.

## SKIL Auto Polish

**No. 3771**—  
Standard Duty,  
one gallon

**No. 3772**—  
Heavy Duty,  
one gallon



Specially formulated for cleaning, glazing and polishing automotive finishes in one operation, SKIL Auto Polish will reduce power polishing time to a minimum.

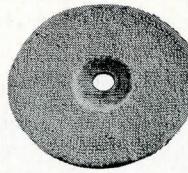
This amazing new polish whisks off road film, seals pores against harmful weathering and polishes to a bright, hard surface that does not require waxing to maintain its sheen. An occasional washing will help preserve this luster over a considerable length of time. Standard Duty Polish is for use on newer cars or those with finish in good condition; Heavy Duty Polish for use on cars with badly dulled or oxidized finish. See price list for quantity discount.

## SKIL Lambswool Bonnet



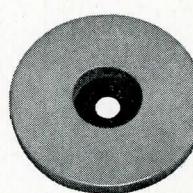
**No. 4711**—Same as standard equipment. Best for all-round cleaning and polishing. Used with 7" backing pad and sponge rubber cushion.

## SKIL Pile Fabric Pad



**No. 6622**—For polishing or rubbing down newly sprayed finishes. Deep wool pile resists matting down.

## SKIL Felt Rubbing Pad



**No. 2462**—Used for a variety of rubbing and burnishing operations with special rubbing compounds.

# SKIL Floor Sanders



## SKIL Floor Sander

### model 301 8" drum

Here's the perfect floor sander for the flooring contractor, tool rental dealer, hardware or paint store. Light weight and exceptional power characterize this compact, efficient machine. Driven by a 6-pole universal motor, SKIL Floor Sander now produces more square feet of fine sanding at a lower cost than ever before. Easy to use . . . a few minutes of instruction, and the operator is ready to do expert work. It's not only easy to move from job to job, but is easy to maintain. Users of SKIL Floor Sander get work done at a considerable saving in cost, make more profits!

**equipment:** 3 assorted grits abrasive paper; paper template; Allen wrench for all adjustments; 25' of 2-wire cord and connector.

#### specifications

**motor:** 6-pole universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole toggle; 100% overload capacity.  
**drum speed:** 3200 r.p.m., no-load.  
**bearings:** 6 full-seal ball bearings (2 on drum, 2 on motor, 2 on fan). Unnecessary to lubricate.  
**drum:** 6" diameter, 8" wide. Felt pad.  
**casters:** Polished steel, oilless sealed bearings.  
**handle:** Aluminum tubing, adjustable to operator's height with interchangeable 3-position grips.  
**drive:** Single V-belt operates drum and fan. Adjustable motor pulley for belt take-up.  
**vacuum system:** Highly efficient, easy to clean.  
**automatic lift:** Raises and lowers drum at wall.  
**size, lower housing:** 13 $\frac{3}{8}$ " high, 15 $\frac{1}{4}$ " long, 11 $\frac{3}{8}$ " wide.  
**net weight:** 86 lbs. complete.  
**shipping weight:** 110 lbs.



## SKIL Floor Edger

### model 10 twin motors

Model 10 is a companion machine to Model 301 SKIL Floor Sander opposite. Finishes areas along walls, on stairs and in closets which cannot be reached by a regular floor sander.

Equipped with two motors for efficient, dustless operation. One motor drives the sanding disc, another operates the suction fan at full speed at all times. Its many desirable features include spindle locking pin, easy-to-change sanding discs, adjustable casters for uneven floors, illumination for dark corners, full-seal bearings on all armatures and shafts, and finest construction in every detail.

**equipment:** 3 assorted grit sanding discs; No. 2445 spanner wrench; 25' of 2-wire cord and connector; lubricant.

#### specifications

**capacity:** 7" sanding disc with  $\frac{7}{8}$ " center hole.  
**motors:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switches:** 2 enclosed double pole toggle switches.  
**speed:** 3500 r.p.m., no-load.  
**bearings:** 6 full-seal ball bearing on armatures and spindles, ball bearing casters.  
**disc guard:** Protects quarter rounds and baseboards.  
**caster guards:** Prevent entanglement of cord.  
**size:** 13" long and high; 10" wide.  
**net weight:** 27 $\frac{1}{4}$  lbs.  
**shipping weight:** 36 $\frac{1}{4}$  lbs.

### SKIL Lubricant for Model 10

No. 276— $\frac{1}{2}$  lb. tube of gear lubricant.  
No. 277—2 lb. can of gear lubricant.  
No. 278—5 lb. can of gear lubricant.

# SKIL Grinders

## SKIL Grinders . . . preferred by every industry



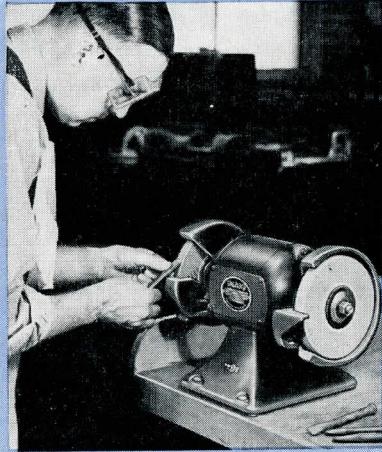
In the following section, you will find the right SKIL Grinder for any job from close die grinding to heavy grinding, brushing, buffing or polishing. Designed for hard, continuous use, SKIL Grinders are built to stand abuse on tough production, maintenance or repair work. Ask your SKIL Distributor to show you the many uses of each type of SKIL Grinder . . . grinding metals, sharpening tools, preparing surfaces for welding, grinding down weld beads and rough castings; also for removing rust, scale and paint, wire brushing and buffing many materials.



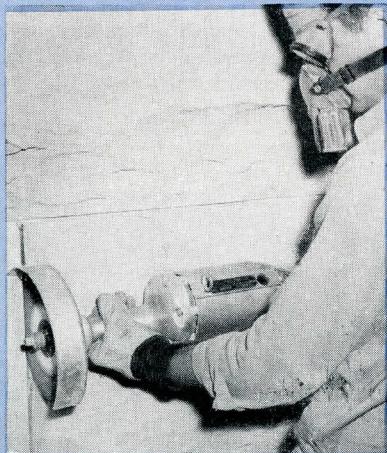
For high speed grinding at 20,000 r.p.m., Model 146 Grinder has no equal. Extremely light in weight, it performs well with a great variety of  $\frac{1}{8}$ " and  $\frac{1}{4}$ " shank accessories . . . mounted stones, brushes, rotary files.



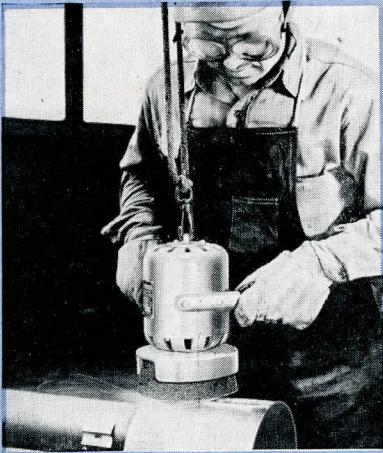
Grinding down rough castings and heavy weld beads is no longer a bottleneck operation when SKIL Portable Grinders are used. Easy-handling and powerful for continuous grinding, brushing or buffing.



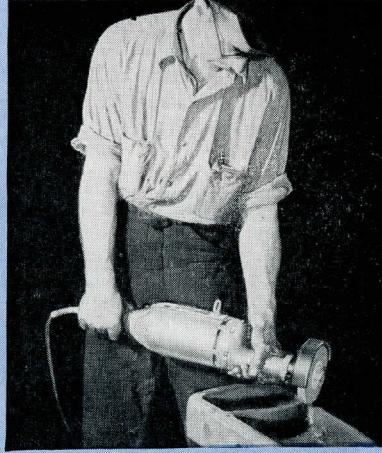
SKIL Bench Grinders offer a complete range of sizes for use in factories, maintenance and repair shops, tool rooms and garages. Six models meet every grinding, wire brushing, buffing and polishing requirement.



One of the most practical tuckpointing machines available, Model 465 speeds removal of loose, weathered mortar in all types of masonry construction. Used with 8" and smaller diameter abrasive discs.



Where continuous, heavy-duty grinding is called for, SKIL Three-Phase Grinder provides maximum, direct drive power. Lightweight and extremely quiet for its capacity. Easily used with or without overhead suspension.



SKIL Portable Grinders are on the spot in seconds whenever jobs that require grinding, wire brushing or buffing are too large for easy handling. Light in weight for day-long use. May also be used with overhead suspension rig.

# SKIL Portable Grinders



## SKIL **1 3/4"** Hand Grinders

model 146— $\frac{1}{8}$ " and  $\frac{1}{4}$ " collet chucks

model 137— $\frac{5}{32}$ " geared chuck

Superior in every way to similar tools, these new hand grinders will meet the need of tool and die departments, pattern shops, designers, modelmakers and professional craftworkers for an extremely lightweight, maneuverable and powerful utility grinder.

At 20,000 r.p.m., these models are designed to use a variety of  $\frac{1}{8}$ " and  $\frac{1}{4}$ " shank accessories—mounted grinding wheels and points, steel cutters, slitting saws, small sanding drums, wire brushing and polishing attachments. For those who prefer the convenience of a geared chuck, particularly for drilling in thin sheet metals, Model 137 is recommended. Where a hand grinder is used primarily with mounted stones and steel cutters, Model 146 with collet chucks will prove best.

**equipment, all models:** Model 146,  $\frac{1}{8}$ " and  $\frac{1}{4}$ " collet chucks and two wrenches; Model 137,  $\frac{5}{32}$ " capacity geared chuck and key; both models with steel carrying case, dressing stone, 3-wire cord and connector.

### specifications

**capacity:**  $\frac{1}{8}$ " and  $\frac{1}{4}$ " shank accessories of  $1\frac{3}{4}$ " and smaller diameter; lengths as recommended by instructions accompanying tool; Model 137, drills to  $\frac{5}{32}$ ".

**motor:** Universal, D.C. or A.C. up to 60 cycles.

**voltages:** Standard, 115. Furnished on order for 220 volts at no extra cost.

**switch:** Enclosed double pole toggle switch, recessed.

**speed:** 20,000 r.p.m., no-load.

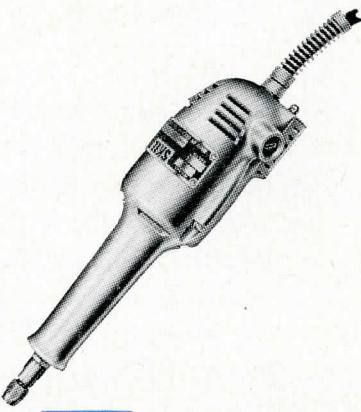
**bearings:** Sealed ball bearings.

**length overall:** Model 146,  $9\frac{3}{4}$ "; Model 137, 10".

**net weight:** 2 lbs. **shipping weight:**  $3\frac{1}{2}$  lbs.

**No. 11336**—Replacement  $\frac{5}{32}$ " geared chuck and key.

**No. 11337**—Replacement key only.



## SKIL **1"** Hand Grinder

model 148— $\frac{1}{8}$ " and  $\frac{1}{4}$ " collet chucks ultra-high speed

Specially engineered to attain a maximum of 36,000 r.p.m., this outstanding new grinder greatly increases the efficiency of carbide cutters, smaller mounted wheels and points. Extremely lightweight and easy to handle, Model 148 is by far the most advanced grinder of its type available. Produces twice as much power as grinders of similar weight.

Tool, die and pattern makers will find this grinder the handiest, fastest tool in their kits. Interchangeable  $\frac{1}{8}$ " and  $\frac{1}{4}$ " collet chucks facilitate use of wheels mounted on either size shank. Housing design permits convenient use in any position, at any angle. Ideal for grinding and modifying dies; shaping and burring almost all metals with carbide cutters.

**equipment:**  $\frac{1}{8}$ " and  $\frac{1}{4}$ " collet chucks; steel carrying case with space for accessories; dressing stone; 2 wrenches; 3-wire cord and connector. Cannot be used with any geared chuck.

### specifications

**capacity:**  $\frac{1}{8}$ " and  $\frac{1}{4}$ " shank accessories of 1" and smaller diameter; lengths as recommended by instructions accompanying tool.

**motor:** Universal, D.C. or A.C. up to 60 cycles.

**voltages:** Standard, 115. Furnished on order for 220 volts at no extra cost.

**switch:** Enclosed double pole toggle switch, recessed.

**speed:** 36,000 r.p.m., no-load.

**bearings:** Sealed ball bearings.

**length overall:**  $9\frac{3}{4}$ ".

**net weight:** 2 lbs.

**shipping weight:**  $3\frac{1}{2}$  lbs.



## SKIL 2 1/2" Portable Grinder

model 171

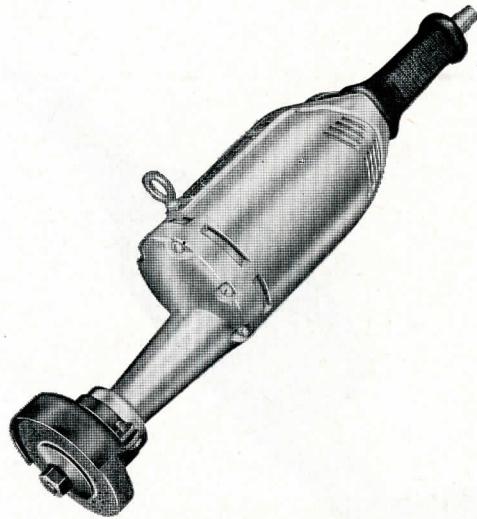
An outstanding dual-purpose grinder, with complete equipment for using either  $\frac{1}{4}$ " or  $\frac{3}{8}$ " arbor grinding wheels or larger mounted wheels and points. May also be used with wire wheel brushes, buffing and polishing wheels.

Smoothly contoured design gives maximum handling ease and control. Light weight makes it easy to use in any position. Recommended for all types of intermediate surfacing work . . . die grinding, weld bead removal, spark testing, snagging castings and many other utility grinding jobs. Has powerful, high speed, direct drive universal motor, trigger switch with lock for sustained operation, and sealed ball bearings.

**equipment:** Adjustable wheel guard;  $2\frac{1}{2}$ " diameter,  $\frac{3}{8}$ " arbor, medium grit grinding wheel;  $\frac{3}{8}$ " wheel washers; extension spindle with  $\frac{1}{4}$ " arbor;  $\frac{1}{4}$ " wheel washers;  $\frac{1}{4}$ " collet chuck; 2 wrenches; 3-wire cord and connector.

### specifications

**capacity:**  $\frac{1}{4}$ " and  $\frac{3}{8}$ " arbor grinding wheels up to  $2\frac{1}{2}$ " diameter;  $\frac{1}{4}$ " shank.  
**mounted stones and wheels:** Use only high-strength resinoid bond wheels.  
**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115.  
**switch:** Enclosed momentary contact trigger switch.  
**speed:** 17,500 r.p.m., no-load.  
**bearings:** Sealed ball bearings.  
**length overall:** 16 $\frac{1}{2}$ ".  
**net weight:** 6 lbs.  
**shipping weight:** 8 $\frac{1}{2}$  lbs.  
**No. 4498**— $2\frac{1}{2}$ " replacement wheel, 36 (medium) grit.



## SKIL 4" Portable Grinder

model 15

Light in weight for its capacity, yet has the power and stamina required in most grinding, wire brushing and buffing operations.

Recommended for use in removing weld beads, smoothing and cleaning rough castings and intermittent production work.

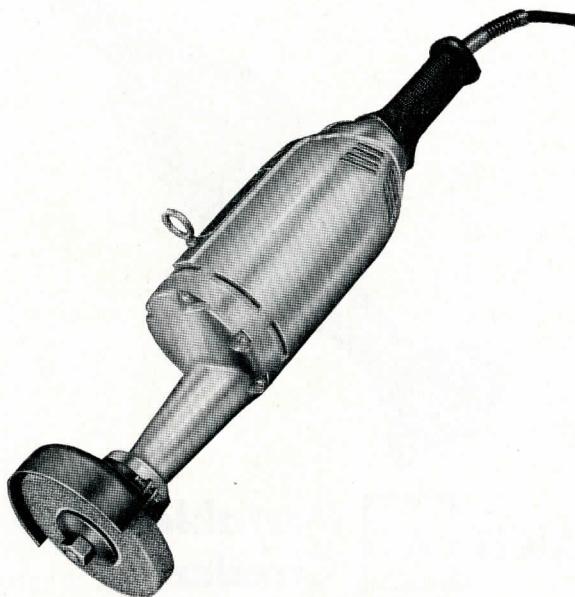
Fully enclosed commutator and switch are protected from dust and grit; sturdy construction insures long, dependable service under rough handling.

**equipment:** Medium grit grinding wheel; adjustable wheel guard; suspension eye bolt; 3-wire cord and connector; rubber sleeve rear handle grip.

### specifications

**wheel size:** 4" x  $\frac{3}{4}$ ".  
**spindle diameter:**  $\frac{1}{2}$ ".  
**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole slide switch.  
**speed:** 5250 r.p.m., no-load.  
**bearings:** Ball bearings mounted in steel inserts on all shafts.  
**length overall:** 22".  
**net weight:** 14 $\frac{1}{4}$  lbs.  
**shipping weight:** 19 lbs.  
**No. 5882**—4" replacement wheel, 30 (medium) grit.

# SKIL Portable Grinders



## SKIL 5" Portable Grinder

model 16

This powerful tool has every construction feature for superior performance and wide adaptability to all grinding, wire brushing, buffing and polishing in production, construction and maintenance work.

Ball bearings mounted in steel inserts on armature shaft and at extreme end of wheel spindle absorb thrust and eliminate vibration. An excellent choice for production grinding and other heavy duty uses.

**equipment:** Medium grit grinding wheel; adjustable wheel guard; suspension eye bolt; 3-wire cord and connector; rubber sleeve rear handle grip.

### specifications

**wheel size:** 5" x 3/4".

**spindle diameter:** 1/2".

**motor:** Universal, D.C. or A.C. up to 60 cycles.

**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.

**switch:** Enclosed double pole slide switch.

**speed:** 4500 r.p.m., no-load.

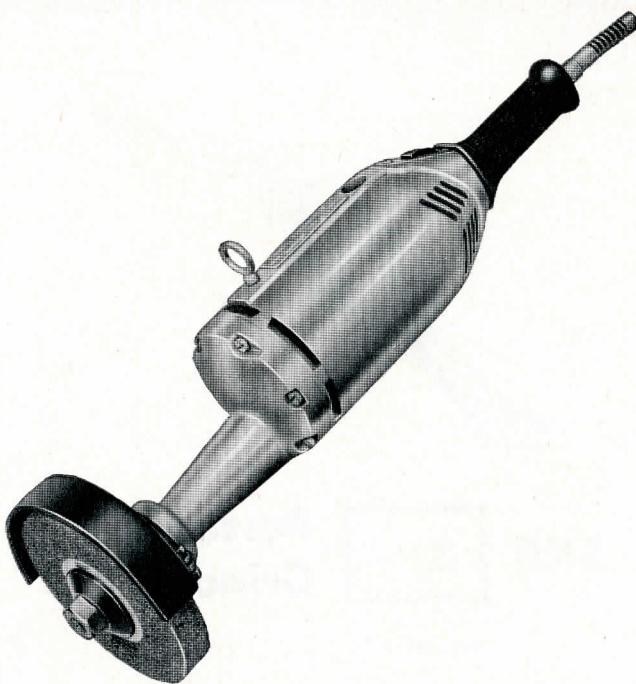
**bearings:** Ball bearings mounted in steel inserts on all shafts.

**length overall:** 22 5/8".

**net weight:** 16 1/2 lbs.

**shipping weight:** 22 1/4 lbs.

**No. 5867**—5" replacement wheel, 30 (medium) grit.



## SKIL 6" Portable Grinder

model 142

A newly designed SKIL Grinder, engineered for the toughest work in grinding heavy castings, wire brushing or buffing and polishing any metal surfaces.

Built for continuous production service, with fully enclosed commutator and switch, ball bearings throughout.

Easy to handle, convenient wherever grinding must be done on the spot. Dependable under the severest conditions.

**equipment:** Medium grit grinding wheel; adjustable wheel guard; suspension eye bolt; 3-wire cord and connector; rubber sleeve rear handle grip.

### specifications

**wheel size:** 6" x 1".

**spindle diameter:** 5/8".

**motor:** Universal, D.C. or A.C. up to 60 cycles.

**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.

**switch:** Enclosed double pole slide switch.

**speed:** 3800 r.p.m., no-load.

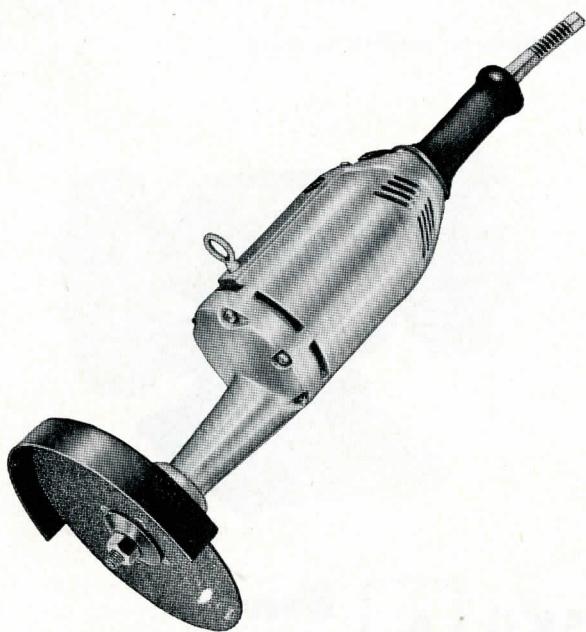
**bearings:** Ball bearings mounted in steel inserts on all shafts.

**length overall:** 23 1/2".

**net weight:** 19 1/2 lbs.

**shipping weight:** 25 lbs.

**No. 3682**—6" replacement wheel, 24 (medium) grit.



## SKIL 8" Tuckpointing Grinder

model 465

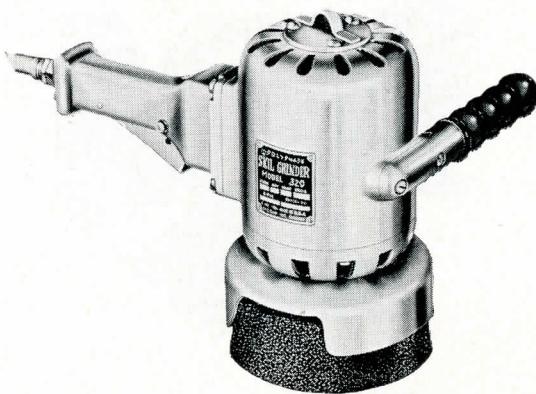
One of the newest, most practical tuckpointing machines available. Exhaustive tests have completely proved the superiority of Model 465 for fast, economical tuckpointing work. Will penetrate as deep as necessary to clean out loose mortar.

Lightweight and easy to handle, this tool keeps working under abrasive dust conditions that put other makes in the repair shop. Use of 8" pointing wheels is recommended to provide maximum wear per disc. See listing below and on page 14.

**equipment:** Adjustable wheel guard; suspension eye bolt; No. 5891 pin wrench; 3-wire cord and connector; rubber sleeve rear handle grip; 8" x 1/8" flex wheel.

### specifications

**capacity:** 8" pointing wheels or discs, 5/8" arbor.  
**spindle diameter:** 5/8".  
**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Fully enclosed double pole slide switch.  
**speed:** 5000 r.p.m., no-load.  
**bearings:** Ball bearings mounted in steel inserts.  
**length overall:** 22".  
**net weight:** 14 1/2 lbs.  
**shipping weight:** 19 lbs.  
**No. 7982**—8" x 1/8" abrasive disc, 5/8" arbor hole.  
**No. 7983**—8" x 3/16" abrasive disc, 5/8" arbor hole.  
**No. 11646**—8" x 1/8" flex wheel, 5/8" arbor hole.  
**No. 11647**—8" x 3/16" flex wheel, 5/8" arbor hole.  
 (See price list for quantity discounts)



## SKIL 6" Grinder-Sander

model 320  
three-phase, right angle

For continuous, heavy duty surfacing operations in factories, foundries, welding and machine shops. Uses heaviest cup grinding wheels, wire cup brushes or sanding discs for grinding and cleaning large castings of any type.

Three-phase direct drive motor is extremely quiet; maintains maximum speed and power under load; will withstand years of hard use. Equipped for use as either a portable tool or for production line work as a suspension unit.

**equipment:** Reversible side handle; wheel guard; suspension bracket; wrench; 4-wire cord. Accessories not supplied. See pages 52, 53 for listing of grinding, brushing and sanding accessories to fit your exact requirements.

### specifications

**capacity:** 6" cup grinding wheel or wire cup brush. By removal of guard, converts to powerful 9" disc sander, with pad, sanding disc, pad nut and wrench.  
**spindle diameter:** 5/8"—11 thread.  
**motor:** 3-phase induction motor.  
**voltages:** Standard, 220, 50/60 cycle, A.C. only.  
**speed:** 2850 r.p.m., no-load, at 50 cycles; 3450 r.p.m., no-load, at 60 cycles.  
**switch:** Enclosed 3-pole momentary contact trigger switch with locking pin.  
**bearings:** Ball bearings throughout.  
**height:** 10 3/8".  
**length overall:** 14 3/8".  
**net weight:** 20 1/2 lbs.  
**shipping weight:** 26 lbs.

# SKIL Bench Grinders

Please specify voltage and phase in addition to model number



## SKIL 6" Bench Grinder

model 561—*a.c. only*  
1/4 h.p.

A new, inexpensively priced bench grinder designed to meet the needs of the small shop, garage or plant where intermittent rather than constant use is called for. Frequently selected, too, by larger manufacturing industries for spotting around the plant to eliminate bottlenecks, save man-hours.

Ideal for many grinding, sharpening, brushing or buffing jobs. Flat face type motor housing gives much greater work clearance between wheels, a feature usually found only on more expensive grinders.

**equipment:** One fine and one medium grit grinding wheel; tool rests; 3-wire cord and connector; dark blue wrinkle finish.



## SKIL 6" Bench Grinder

model 562—*a.c. only*  
model 567—*d.c. only*  
1/3 h.p.

A very powerful grinder for its capacity . . . a dependable performer for handling all kinds of grinding, sharpening, buffing and wire brush work in garages, repair shops and tool rooms.

Flat face motor housing provides maximum work clearance between wheels; also gives greater wheel wear. Ball bearing construction, removable wheel guards, heavy base for stability.

**equipment, all models:** One fine and one medium grit grinding wheel; tool rests; 3-wire cord and connector (except 3-phase); dark blue wrinkle finish.

### general specifications

**motors:** Models 561 and 562 are split phase type.

**switches:** Enclosed double pole toggle switches.

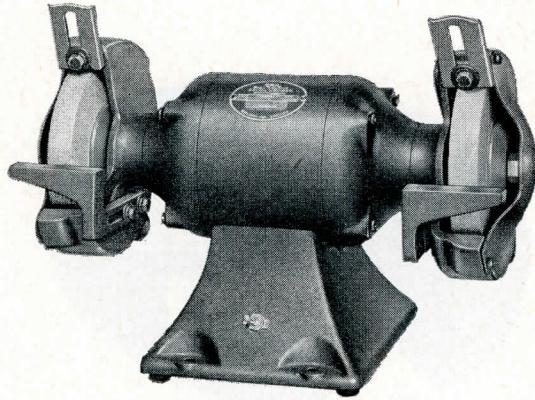
**bearings:** Ball bearings throughout.

**arbor size:** 1/2" for all models on this page.

### comparative specifications

model no.	a.c. or d.c.	wheel size, inches	h.p.	speed no-load r.p.m.	a.c. voltages 1-phase	a.c. voltages 3-phase	a.c. voltages d.c.	net wt.	shpg. wt. lbs.
561	a.c.	6x5/8	1/4	3450	115	...	...	38	50
562	a.c.	6x3/4	1/3	3450	115	220	...	40	50
567	d.c.	6x3/4	1/3	3450	...	...	115 230	40 32	50

Please specify voltage and phase in addition to model number



## SKIL 7", 8" Bench Grinders

model 563, 7", a.c. only

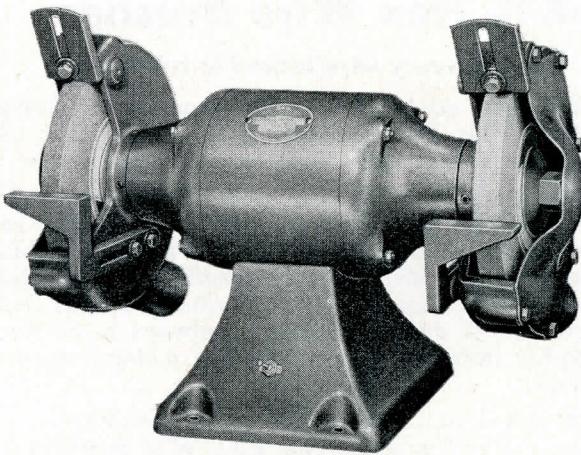
model 658, 8", a.c. only

model 678, 8", d.c. only

1/2 h.p.

These sturdy, powerful grinders fill the needs of most users for intermediate range grinders which are large enough to handle nearly all grinding, brushing or buffing requirements. Recommended for use in large automotive or machine shops for grinding tools and light castings; in school and industrial woodworking shops where cutting tools need constant sharpening. A top value in its price range.

**equipment:** One fine and one medium grit grinding wheel; spark arrestors; exhaust chutes; tool rests; 3-wire cord and connector (except 3-phase); dark blue wrinkle finish.



## SKIL 10" Bench Grinder

model 564—a.c. only

1 h.p.

An extremely powerful unit which will handle any work required of a general-purpose grinder. Heavy duty construction throughout insures complete reliability under continuous daily use in factories, machine and welding shops, maintenance departments, foundries, garages. Equally well suited to bench or pedestal mounting. Has all features required of a larger grinder—quiet, cool-running, balanced motor, removable wheel guards, adjustable tool rests and other equipment as specified.

**equipment:** One fine and one medium grit grinding wheel; spark arrestors; exhaust chutes; tool rests; power lead for permanent connection; dark blue wrinkle finish.

### general specifications

**motors:** Models 563, 658 and 564 are capacitor-start type.

**switches:** Enclosed double pole toggle switches.

**bearings:** Ball bearings throughout.

**arbor size:** 5/8" for Models 563, 658, 678; 1" for Model 564.

### comparative specifications

model no.	a.c. or d.c.	wheel size, inches	h.p.	speed no-load r.p.m.	a.c. voltages 1-phase	a.c. voltages 3-phase	d.c. voltages	net wt.	shpg. wt. lbs.
563	a.c.	7x1	1/2	3450	115 220- 250	220 440*	...	84	95
658	a.c.	8x1	1/2	3450	115 220- 250	220 440*	...	87	95
678	d.c.	8x1	1/2	3450	...	115 230 32	87	95	
564	a.c.	10x1	1	1750	115 220	220 440*	...	93	108
						550*			

\* at extra cost.

# SKIL Grinder Accessories

## SKIL Flex Wire Brushes

with every wire locked in rubber!

A major advance in wire brush construction, SKIL Flex Wire Brushes give much longer life, greater safety, less vibration and better work.

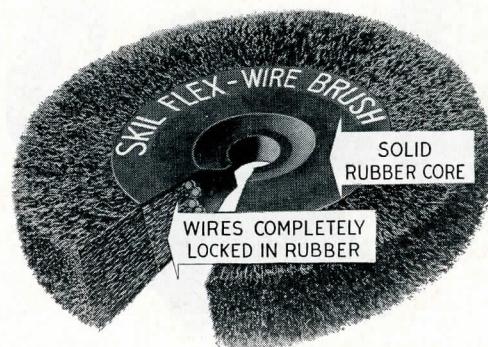
The remarkable molded rubber center eliminates rigid hinge point that caused wire breakage and frequent employee injuries. Patented rubber mounting holds wires compactly, yet is highly resilient to absorb shock and vibration. Maximum number of cutting points are always in position, giving faster, cleaner work and a more uniform finish.

Designed for use on almost all portable or stationary equipment, SKIL Flex Wire Brushes are acclaimed by safety-minded and cost-conscious industries. Packaged in individual cartons.

### description

diam., inches	std. arbor	max. rpm	face width	wire size	part no.
4	1/2	5200	3/4	.0095	6155
4	1/2	5200	3/4	.014	6156
4	1/2	5200	3/4	.018	6157
6	1/2	4500	1 1/8	.0095	6158
6	1/2	4500	1 1/8	.014	6159
6	1/2	4500	1 1/8	.018	6160
7	5/8	4000	1 1/8	.0095	6161
7	5/8	4000	1 1/8	.014	6162
7	5/8	4000	1 1/8	.018	6163
8	5/8	3500	1 1/8	.0095	6164
8	5/8	3500	1 1/8	.014	6165
8	5/8	3500	1 1/8	.018	6166
10	3/4	3000	1 3/4	.014	6168
10	3/4	3000	1 3/4	.018	6169

SKIL Flex Wire Brushes and standard brushes above are supplied with standard arbor adapter as shown. For other arbor adapter sizes, see listing at right.



### SKIL Arbor Adapters

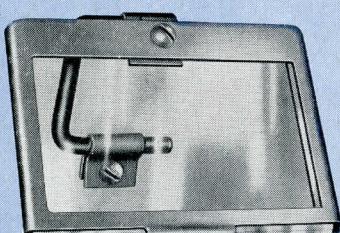
arbor size	part no.	arbor size	part no.
<b>for 4" brushes</b>			<b>for 8" and 10" brushes</b>
3/8"	6170	1/2"	6180
1/2" (4" std.)	6171	5/8" (8" std.)	6181
5/8"	6172	3/4" (10" std.)	6182
3/4"	6173	7/8"	6183
7/8"	6174	1"	6184
		1 1/8"	6185
		1 1/4"	6186
<b>for 6" and 7" brushes</b>			Part numbers listed above for SKIL Arbor adapters are per set of two (per pair).
1/2" (6" std.)	6175		
5/8" (7" std.)	6176		
3/4"	6177		
7/8"	6178		
1"	6179		

### SKIL Bench Grinder Eye Shield

**No. 11499—**  
Pair shields.

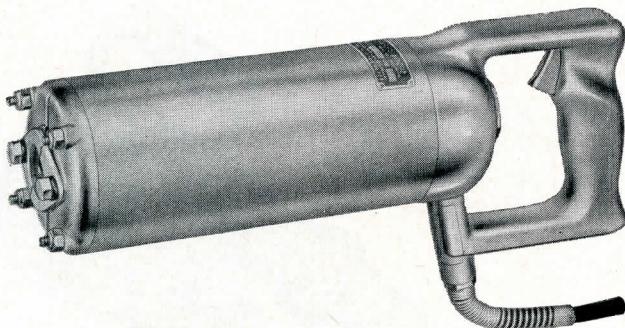
**No. 11599—**  
Single shield.

**No. 11597—**  
Replacement safety  
glass.



All SKIL Bench Grinders listed on the preceding pages are drilled and tapped for mounting these safety eye shields on either one or both wheel guards. 1/4" thick shatterproof glass gives full protection to operator. Adjustable from horizontal position to angle desired. Metal frame 6 3/8" wide x 5 1/4" high. Complete with screw, nut, clamp and metal holding rod. Order a pair for every SKIL Bench Grinder.

# SKIL Electric Hammer, Accessories



## SKIL 1 1/8" Electric Hammer

model 437

Drills and channels in concrete, stone or brick walls and floors; vibrates concrete forms; chips, scales and cleans many materials. Eliminates gears, cranks and connecting rods. Has only one working part, giving freedom from service and maintenance worries. Used with star drills and other special edged tools listed opposite which require rapid hammering action for top performance. Exclusive, patented, contour-grip handle for easy handling.

**equipment:**  $\frac{3}{8}$ " and  $\frac{1}{2}$ " taper socket star drill chucks and handles; 1" diameter star drill; drift key; dust shield; tool retainer; carrying case with built-in selenium rectifier; 4-wire cord and connectors from tool to carrying case, 3-wire extension cord from carrying case to power outlet.

### specifications

**efficient operating range:**  $\frac{3}{4}$ " to  $1\frac{1}{8}$ " diameter star drills.  
**extreme operating limits:**  $\frac{3}{8}$ " to  $1\frac{1}{2}$ " diameter star drills.  
**power unit:** Two alternately energized magnetic coils actuate hammer piston. Carrying case houses built-in selenium rectifier, converts A.C. power supply for hammer.

**voltages:** Standard, 115 A.C. only. Furnished on order at extra cost with transformer for 200 to 250 volts A.C. only.

**switch:** Enclosed two-pole momentary contact trigger switch.

**speed:** 3600 blows per minute, no-load.

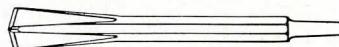
**length overall:**  $16\frac{1}{4}$ ".

**net weight:** 20 lbs. (hammer only).

**shipping weight:** 40 lbs. (complete).

### four point star drills

$\frac{3}{8}$ " Taper Shank for use with No. 6046 Star Drill Chuck.

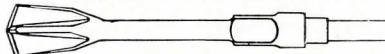


Part No.	Diameter	Length
15445	$\frac{1}{4}$ "	5"
15405	$\frac{3}{8}$ "	5"
15406	$\frac{1}{2}$ "	9"
15407	$\frac{5}{8}$ "	9"
15408	$\frac{3}{4}$ "	9"

$\frac{1}{2}$ " Taper Shank for use with No. 6047 Star Drill Chuck.

6070	$\frac{3}{4}$ "	9"
6071	$\frac{3}{4}$ "	18"
6072	$\frac{7}{8}$ "	9"
6073	$\frac{7}{8}$ "	18"
6074	1"	9"
6075	1"	18"
6076	$1\frac{1}{8}$ "	12"
6077	$1\frac{1}{8}$ "	24"

$11\frac{1}{16}$ " Differential Shank for use with No. 6054 Turning Wrench.

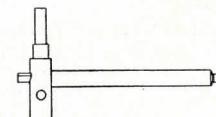


6078	$1\frac{1}{4}$ "	14"
6079	$1\frac{1}{4}$ "	24"
6080	$1\frac{3}{8}$ "	14"
6081	$1\frac{3}{8}$ "	24"
6082	$1\frac{1}{2}$ "	14"
6083	$1\frac{1}{2}$ "	24"

**No. 6046—Star Drill Chuck.**  $\frac{1}{8}$ " differential shank with  $\frac{3}{8}$ " taper socket.

**No. 6047—Star Drill Chuck.**  $\frac{1}{16}$ " differential shank with  $\frac{1}{2}$ " taper socket.

**No. 15404—Drift Key.** For use with Nos. 6046, 6047 Star Drill Chucks.



**No. 6054—Turning Wrench.** For use with Nos. 6078 to 6083 Star Drills.



### 11/16" hexagon shank tools

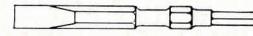
**No. 6090—Bull Point.**  $\frac{3}{4}$ " diam., 12" length.



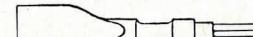
**No. 6092—Scaling Chisel.**  $1\frac{1}{2}$ " face, 9" length.



**No. 6093—Scaling Chisel.** 2" face, 9" length.



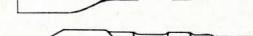
**No. 6094—Cold Chisel.**  $\frac{7}{8}$ " face, 10" length.



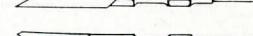
**No. 6095—Flat Wood Chisel.** 2" face, 9" length.



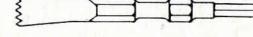
**No. 6097—Mortar Chisel.**  $\frac{7}{8}$ " width, 11" length.



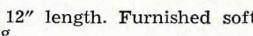
**No. 6098—Slotting Tool.**  $1\frac{1}{4}$ " face, 11" length.



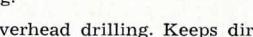
**No. 6099—Tool Blank.**  $\frac{3}{4}$ " diam., 12" length. Furnished soft. Must be heat-treated after forming.



**No. 6051—Dust Shield.** Used for overhead drilling. Keeps dirt out of hammer nose.

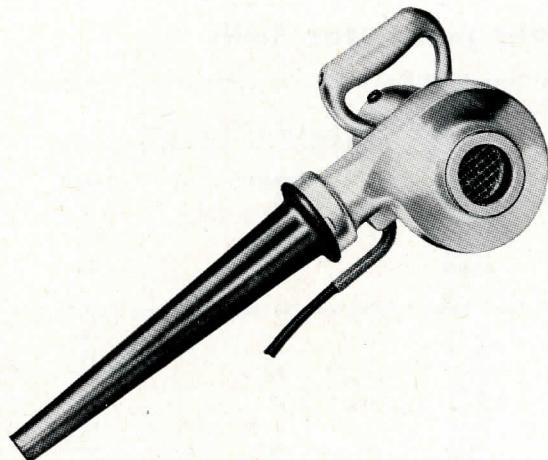


**No. 6052—Tool Retainer.** This safety device holds straight shank tools in the nose of SKIL Hammer.



**No. 6085—**50' of 4-wire extension cord and connectors for use between hammer and carrying case. Not illustrated.

# SKIL Blowers



## SKIL Blowers

### model 28 (illustrated) special duty

Very low priced. Carefully engineered and designed for light duty operations. Recommended for intermittent service in industrial plants; for blowing sawdust and wood chips from wood-working machinery, for frequent use in the small shop; and for cleaning out delicate office machines. Converts to suction cleaner with extra equipment listed on next page.

### model 25 standard duty

This powerful blower will meet the daily requirements of a great number of industries. Provides one of the safest, most convenient methods of cleaning industrial motors and machinery. Safeguards valuable equipment from moisture often found in regular compressed air lines. Converts to suction cleaner with extra equipment.



## SKIL Blowers

### model 27 (illustrated) hot and cold

Delivers blasts of either *warm* air or *cold* air by simply flicking a switch. Practical for all industries having moisture control problems. Dries out insulation in motors, cable, delicate switchboard apparatus, office machines, newly-dyed samples in textile mills, electrical equipment of all kinds. *Cannot be used as a suction cleaner.*

### model 26 heavy duty

The most popular portable electric blower made . . . incorporates features and improvements not found in similar tools. Like other SKIL Blowers, it delivers dry air at high velocity and comparatively low pressure . . . the safest method of cleaning motors and machinery. Converts to suction cleaner with extra equipment listed at right.

Heavy duty in every respect for countless industrial jobs.

### specifications, all models

**equipment:** Detachable hard rubber nozzle, non-conducting; 20' of 3-wire cord and connector.

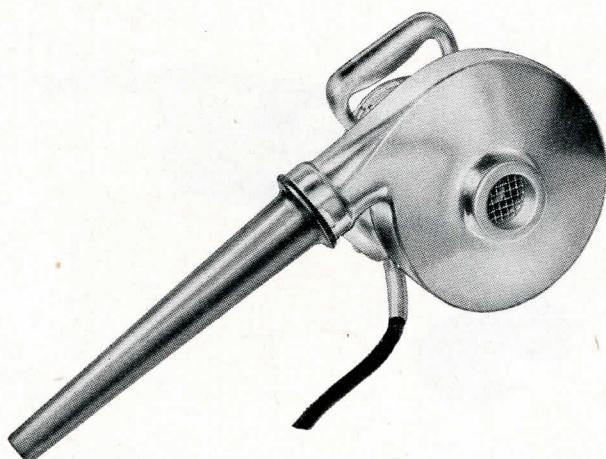
**motors:** Universal, D.C. or A.C. up to 60 cycles.

**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.

**bearings:** Sealed ball bearings throughout.

model no.	duty rating	fan speed r.p.m.	linear velocity ft. per min.	displacement cu. ft. per min.	static pressure, water column	net wt. lbs.	shipping wt., lbs.
28	spec.	11,000	15,000	70	18	7	11
25	std.	11,500	17,000	80	24-26	7½	11¾
27	hot, cold	11,000	12,000	40	24	8	12½
26	hvy.	11,500	20,000	95	32-34	9½	13½
29	hvy., 2-speed	9,700	21,500	125	36	14½	19¾
			11,600	27,000	195.5	48	14½

# SKIL Blowers, Cleaning Attachments



## SKIL Blower

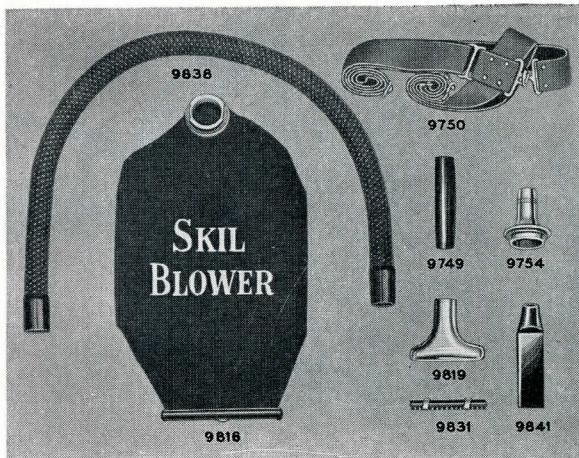
model 29, two-speed  
heavy duty

Here is a two-speed blower which will fulfill almost every industrial cleaning requirement. Completely versatile in operation . . . cleans expensive, precision equipment at one switch position; blasts dirt and moisture out of the heaviest motors and machinery by switching to high speed position.

Provides the utility of two blowers in one all-purpose tool. Saves the cost of a second blower and reduces operating costs. Low torque on starting from low speed gives complete safety. Converts to a powerful suction cleaner with accessories at right.



Suction cleaning attachments give SKIL Blowers many additional uses, convert them for use as vacuum cleaners in cleaning upholstered office furniture, stock bins, shelves, files.



## SKIL Blower Suction Attachments

No. 2858—For Models 25, 26, 28

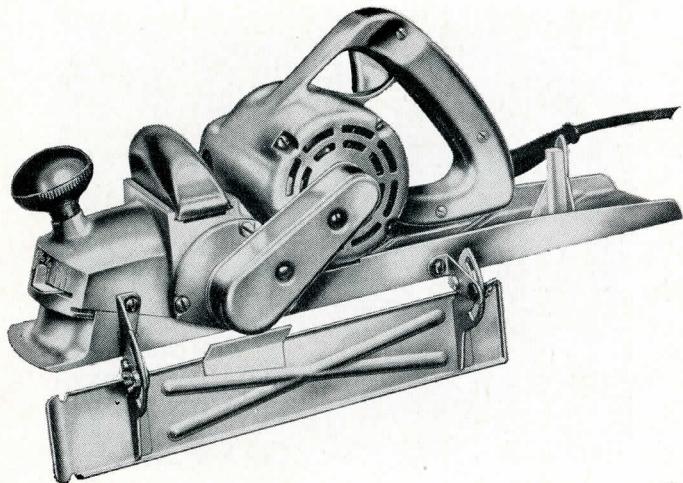
No. 9753—For Model 29

Instantly convert SKIL Blowers (except Model 27) into powerful suction cleaners, insecticide or paint sprayers. Just remove rubber nozzle and attach dust bag. Remove wire screen at side, clamp on hose connection and attach hose and desired attachment. Complete set of attachments as supplied with numbers above includes dust bag, 7' flexible hose, hose connection, furniture nozzle and brush, nipple, flat cleaning tool, Sam Browne carrying belt. For special purpose attachments, see listing below.

### special purpose attachments

- 9754—Hose connection.
- 9755—10" double bristle brush (snap-on).
- 9761—Double row bristle brush (snap-on) for 14" floor nozzle.
- 9815—14" floor nozzle.
- 9816—Dust bag.
- 9817—Dust bag for Model 29.
- 9818—Upholstery nozzle to fit hose.
- 9819—Furniture nozzle.
- 9820—10" floor nozzle.
- 9828—Aluminum elbow.
- 9829—Adjustable wall brush.
- 9830—7" switchboard brush.
- 9831—Brush for upholstery nozzle.
- 9832—2" diam. insulated brush.
- 9833—2 1/8" diam. insulated brush.
- 9834—Rubber insulated cleaning brush.
- 9835—Telephone braid cleaning brush.
- 9836—Machine switch brush.
- 9837—Pure gum rubber hose.
- 9838—7' flexible vacuum hose.
- 9839—Flat cleaning tool.
- 9841—Flat cleaning tool.
- 9842—Rubber blower nozzle.
- 9844—44" steel extension handle.
- 9845—Household sprayer.

# SKIL Plane, Shear



## SKIL 3" Plane

model 190  
combination edge and  
surface plane

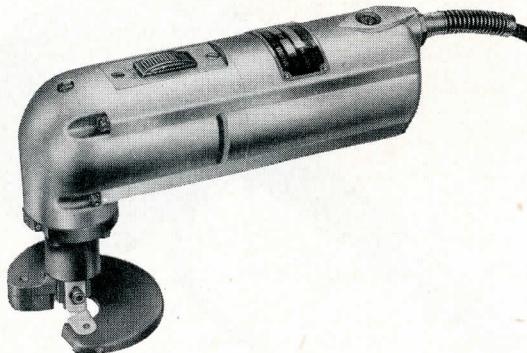
This new tool features outstanding performance on high speed edge and surface planing, with lighter weight than any comparable tool. Using a reinforced, non-slip, cog belt drive, gears are eliminated, shock loads minimized.

Developed for builders, pattern shops, cabinet workers and woodworking industries, SKIL Plane is the most advanced tool made for edge or surface planing and fitting doors, storm sash, screens. Has bevel and depth adjustments, positive right or left hand chip ejection, ball bearings throughout, comfortable handle and auxiliary knob.

**equipment:** Steel carrying case; pair alloy steel blades; hex locking key; blade honing bracket; blade adjusting gauge; bevel gauge.

### specifications

**width of cut:** 3".      **depth of cut:** 0" to  $\frac{1}{8}$ ".  
**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**no-load speed, cutter head:** 13,500 r.p.m.  
**bevel guide:** 90° adjustment for 45° right or left bevel.  
**bearings:** Ball bearings throughout.  
**switch:** Enclosed, momentary contact trigger switch.  
**chip deflector:** Reversible for exhaust, right or left.  
**length overall:** 17 $\frac{1}{2}$ ".  
**net weight:** 10 $\frac{1}{2}$  lbs.      **shipping weight:** 15 lbs.  
**No. 11628**—Replacement blades, pair.  
**No. 10900**—Blade sharpening kit.  
**No. 10623**—Replacement grinding wheel.



## SKIL Shear

model 17

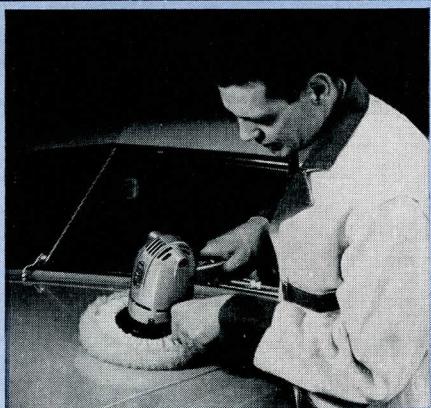
For fast, clean cuts in a variety of sheet metals . . . hot rolled steel up to 16 gauge, and other materials in proportion. Follows any line or shape. Deflector plate minimizes curling of metal edges while cutting. Cutting head permits minimum cutting radius of only 1", a feature appreciated when cutting small openings. Compact body eliminates need of handle, permitting complete control in any position. Convenient slide switch placed for quick starting and stopping. Very light in weight for its capacity, and easy to operate at any angle.

**equipment:** Extra set of blades; necessary wrenches; 3-wire cord and connector.

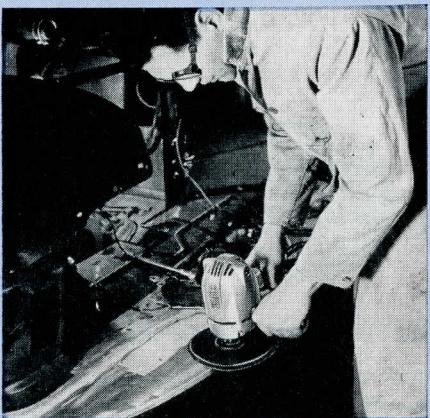
### specifications

**capacity:** 16 gauge hot rolled steel or galvanized iron. Harder or softer metals in proportion.  
**minimum cutting radius:** 1".  
**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole slide switch.  
**speed:** 1500 strokes per minute, no-load.  
**bearings:** Ball bearings on armature shaft; needle roller bearings on gear shafts.  
**length overall:** 9".  
**net weight:** 5 $\frac{3}{4}$  lbs.  
**shipping weight:** 7 $\frac{3}{4}$  lbs.  
**No. 4076**—Replacement vertical moving shear blade.  
**No. 4078**—Replacement stationary shear blade.

# SKIL Automotive Tools



Compact and easy to handle, SKIL Auto Polisher, Model 570, reflects the trend toward powerful, lightweight automotive tools. Full size pad and motor give excellent results for use in garages and service stations. For cleaning, glazing and polishing in one operation, use with SKIL Auto Polish.



A new, compact disc sander designed specifically for the auto body shop, Model 551 meets all requirements for light weight and economy. In-line design makes it the easiest handling type available.



Shown preceding this section, on pages 23 to 36, SKIL Drill and accessories provide a complete range of capacities for repair or installation work in garages, body shops or service stations.

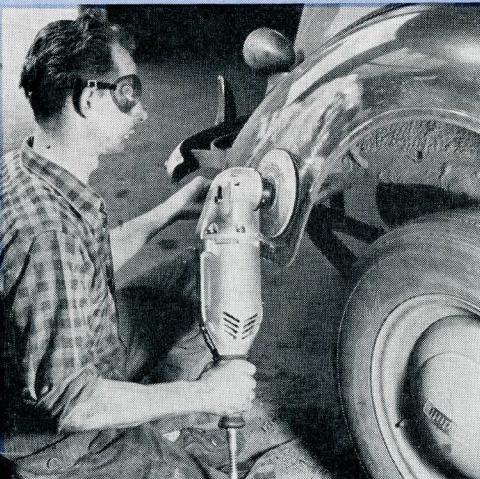
for mechanics who know tools . .

## SKIL Automotive Tools

In the automotive field, as in many other industries, SKIL Tools have rolled up impressive performance records. Often used almost continuously by several mechanics, SKIL Automotive Tools take the toughest jobs in stride.

Together with the specialized automotive tools listed in the following section, many other SKIL Tools shown in preceding sections offer cost-cutting applications for the automotive user . . . giving one of the most complete lines of automotive tools from which to choose. Your SKIL Distributor will be pleased to supply further information or a demonstration.

SKIL Valve Refacers and Valve Shops are available in several profit-making combinations. Completely equipped with accessories for servicing the greatest number of standard engines.

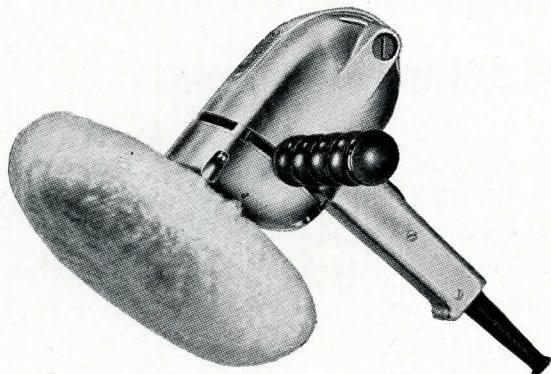


Not listed in the following section, but shown on pages 49 to 53, SKIL Disc Sanders and accessories give the automotive user the finest in body refinishing tools. Used with sanding discs, wire cup brushes, cup grinding wheels.



SKIL Valve Seat Grinders and Sets offer models to fit the needs of any automotive repair shop. Standard and heavy duty types to service all standard passenger car, truck or marine engines.

# SKIL Auto Polisher



## SKIL 7" Polisher

model 570  
compact special duty

A new, full-powered tool of latest design for use in small garages, service stations, dealer service departments . . . anywhere volume does not warrant purchase of a more expensive polisher. Full size 7" pad makes quick work of polishing jobs. Turns out four jobs in the time ordinarily taken for one by hand methods.

Close-coupled design means easier operation than ever before . . . at any angle, in any position. Perfect balance insures easy control even on hard-to-reach surfaces. Lighter in weight than many less powerful polishers. Quickly pays for itself in a very few jobs.

**equipment:** 7" molded rubber backing pad; sponge rubber polishing pad; long pad nut; standard pad nut; lambswool polishing bonnet; left side handle; disc clamp wrench; introductory pint can of SKIL Auto Polish; 3-wire cord and connector.

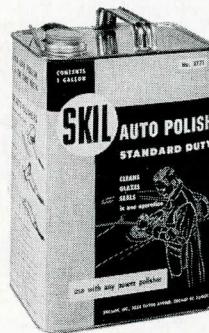
### specifications

**capacity:** 7" backing pad, polishing pad and lambswool bonnet; 7" felt rubbing pad; or 7" pile fabric pad.  
**spindle diameter:** 5/8"—11 thread.  
**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole slide switch.  
**speed:** 1300 r.p.m., no-load.  
**bearings:** Ball and self-lubricating bearings on shafts.  
**length overall:** 9 1/2", not including pad.  
**net weight:** 7 lbs.  
**shipping weight:** 12 lbs.

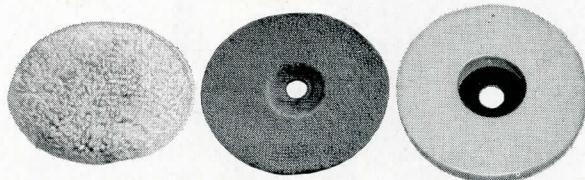
## SKIL Auto Polish

**No. 3771—**  
Standard Duty,  
one gallon

**No. 3772—**  
Heavy Duty,  
one gallon



Specially formulated for cleaning, glazing and polishing automotive finishes in one operation, SKIL Auto Polish will reduce power polishing time to a minimum. Standard Duty Polish is for use on newer cars or those with finish in good condition; Heavy Duty Polish for use on cars with badly dulled or oxidized finish. See price list for quantity discount.



## SKIL Lambswool Bonnet

**No. 4711—**Same as standard equipment. Best for all-round cleaning and polishing. Used with 7" back pad and sponge rubber pad.

## SKIL Pile Fabric Pad

**No. 6622—**For polishing or rubbing down newly sprayed finishes. Deep wool pile resists matting down.

## SKIL Felt Rubbing Pad

**No. 2462—**Used for a variety of rubbing and burnishing operations with special rubbing compounds.

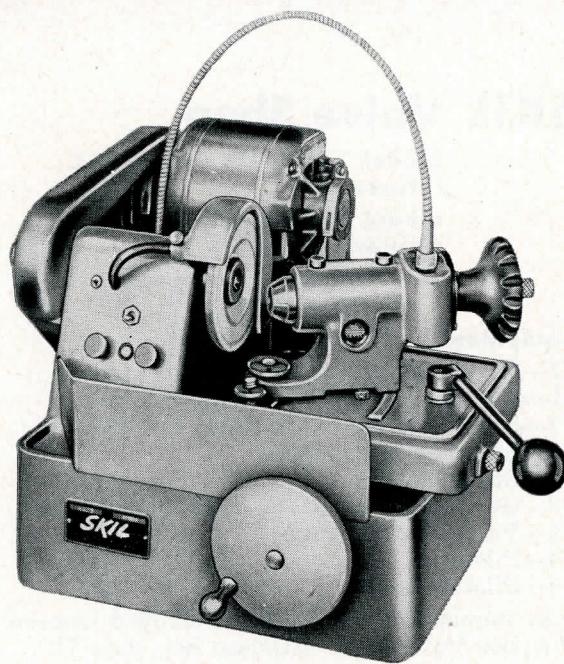
## Polisher Accessories

**No. 4679—**7" molded rubber backing pad for use with all SKIL Polishers.

**No. 6496—**7" sponge rubber pad. Used with pad above.

**No. 4699—**Long pad nut. Clamps sponge rubber and backing pads to polisher spindle.

**No. 2445—**Pad nut wrench.



## SKIL Valve Refacer

model 411, standard

model 421, with micrometer  
butt grinding attachment

A compact machine, engineered with the features and precision of more expensive equipment.

Grinds wet or dry for fast, accurate reconditioning of valves, valve lifters and rocker arms. Powerful,  $\frac{1}{3}$  H.P. motor turns grinding wheel and coolant pump; drives workhead through a flexible shaft and worm gearing. This provides a uniform ratio between wheel and workhead speeds, giving a mirror finish every time.

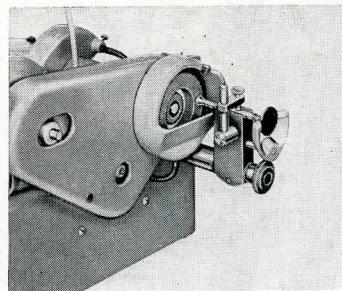
All adjustments for wear are automatically compensated, except for easily tensioned V-belt drive. Rocker arm grinding attachment is quickly mounted, and with self-centering cones is automatically adjustable to all rocker arms. Diamond wheel dresser fits on rocker arm attachment to dress both face and side of wheel. Simple V-rest is easily attached for butt grinding. Model 411 will reface all valves up to  $3\frac{1}{2}$ " diameter. See optional collets listed below.

**equipment all models:** Universal rocker arm grinding attachment including screw type diamond nib;  $\frac{3}{32}$ " to  $\frac{1}{16}$ " double end collet; V-rest for butt grinding; 5" offset grinding wheel (white); bottle of coolant. Model 421 has micrometer butt grinding attachment for Ford valves without adjustable valve lifters; including depth gauge; recessed butt grinding wheel; wheel guard with coolant tubing.

### general specifications, models 411, 421

**voltages:** Standard, 115 volts A.C., 60 cycles. Furnished on order for 220 volts A.C. at no extra cost.

**net weight:** 116 lbs. **shipping weight:** 152 lbs.



Illustrated is micrometer butt grinding attachment, standard on Model 421, optional for Model 411.

### optional equipment

(for all models unless specified otherwise)

No. 2571—Coolant, one pint

No. 2572—Coolant, one-half gallon

No. 7530— $\frac{1}{4}$ " to  $\frac{3}{8}$ " double end collet with spacer sleeve

No. 7550—Diamond nib for dressing butt grinding wheel (Models 421, 491 only)

No. 7555— $\frac{1}{2}$ " to  $1\frac{1}{16}$ " double end collet

No. 7568—5", 15° offset grinding wheel (gray) for soft steel

No. 12730—Micrometer butt grinding attachment complete, for Model 411

### replacement equipment

(for all models unless specified otherwise)

No. 7554— $\frac{9}{32}$ " to  $\frac{1}{16}$ " double end collet

No. 7569—5", 15° offset grinding wheel (white) for hard steel

No. 7601—Screw type diamond nib for dressing refacing wheel (Models 411, 421 only)

No. 17549—4" recessed butt grinding wheel (Model 421 only)

### equipment, former model 491 only

No. 7551—Diamond holder (45°) with diamond nib (for late models)

No. 7556—5", straight face, offset grinding wheel (for early models)

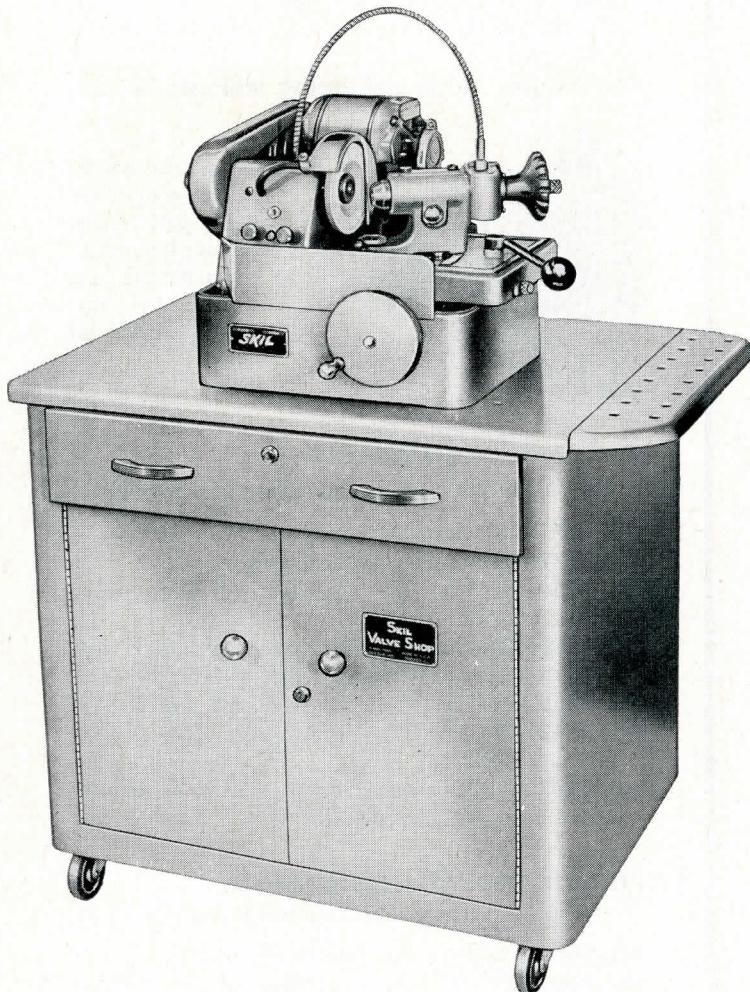
No. 7557—4" steel back grinding wheel for butt grinding

No. 7559—Diamond holder (90°) with diamond nib (for early models)

No. 11331—Universal rocker arm adapter only (cones and cone shaft for converting early models)

No. 11335—Universal rocker arm grinding attachment complete

# SKIL Valve Shops



All SKIL Valve Shop equipment has been carefully selected, enabling shop and garage owners to service most standard engines without the need of buying extras. It is a completely self-contained unit which rolls to the job, saves time, builds profits. SKIL Valve Shop consists of Model 411 or Model 421, SKIL Valve Refacer, valve seat grinding equipment as listed, and heavily constructed SKIL Valve Cabinet for convenient parts and tool storage. Cabinet has locking drawer and doors, work tray, electrical inlet and two outlets, plus inner partitions and fixtures for neat arrangement of contents. This is a unit that will build volume, impress customers and increase profits.

## SKIL Valve Shop

**model 792 (with model 411 refacer)**

**model 932 (with model 421 refacer)**

**standard duty for regular automotive work**

### equipment

1—Model 411 or 421 SKIL Valve Refacer

1—No. 7558 SKIL Valve Shop Cabinet

\*1—Standard Duty Valve Seat Grinder

\*1—Stone Dressing Stand

\*2—Stone Holders

\*8—General Purpose and Finishing Stones

\*1—Valve Guide Brush

\*4—Pilots

\*1—Pilot Wrench

\*As itemized in Model 440 Standard General Purpose Valve Seat Grinding Set, page 72.

### general specifications

**voltages:** Standard, 115 volts A.C. 60 cycles. Furnished on order for 220 volts A.C. at no extra cost.

**shipping weight:** 292 lbs.

## SKIL Valve Shop

**model 793 (with model 411 refacer)**

**model 953 (with model 421 refacer)**

**heavy duty for large truck, tractor and marine engines.**

### equipment

1—Model 411 or 421 SKIL Valve Refacer

1—No. 7558 SKIL Valve Shop Cabinet

\*1—Heavy Duty Valve Seat Grinder

\*1—Stone Dressing Stand

\*2—Stone Holders

\*14—General Purpose and Finishing Stones

\*1—Valve Guide Brush

\*6—Pilots

\*1—Pilot Wrench

\*As itemized in Model 442 Heavy Duty General Purpose Valve Seat Grinding Set, page 72.

### general specifications

**voltages:** Standard, 115 volts A.C. 60 cycles. Furnished on order for 220 volts A.C. at no extra cost.

**shipping weight:** 297 lbs.

**model 790—SKIL Valve Refacer, Model 411 and Cabinet only. Model 920—SKIL Valve Refacer, Model 421 and Cabinet only.** Shipping weight, 267 lbs.

**No. 7558—SKIL Valve Shop Cabinet only.** 32" high x 25" wide x 17" deep. Net weight, 72 lbs.; shipping weight, 115 lbs.



## SKIL Valve Seat Grinder

model 318

standard duty

A powerful grinder for refacing valve seats on all types of automobile and light truck engines. Lightweight, cool-running and easy to handle on the most awkward jobs. Popular 45° angle drive permits easy work in confined spaces. Powerful fan exhausts air through gear case, keeping gear housing cool and comfortable to hold at all times. End handle provides one-hand balance; trigger switch has locking pin for continuous grinding. Bearing and gear construction insure peak performance and long life.

**equipment:** Hexagon ball spindle; 3-wire cord and connector.

### specifications

**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole, momentary contact trigger switch with locking pin.  
**speed:** 13,000 r.p.m., no-load.  
**bearings:** Ball bearings on all shafts.  
**length overall:** 11 $\frac{7}{8}$ ".  
**net weight:** 6 lbs.  
**shipping weight:** 7 $\frac{3}{4}$  lbs.



Experienced mechanics and servicemen everywhere prefer the SKIL Automotive Tool line for its complete range of tools and accessories.

## SKIL Valve Seat Grinder

model 319

heavy duty

This more powerful grinder is designed for valve seat refacing on large gasoline and diesel engines in trucks, boats and stationary power units where stones of 2" and greater diameter are required. Increased motor power drives these large diameter stones at the most efficient speed for their size. Thus precision grinding and perfect finish are insured on the largest jobs. Similar in appearance to Model 318, but with heavy duty motor and gearing.

**equipment:** Hexagon ball spindle; 3-wire cord and connector.

### specifications

**motor:** Universal, D.C. or A.C. up to 60 cycles.  
**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.  
**switch:** Enclosed double pole, momentary contact trigger switch with locking pin.  
**speed:** 10,000 r.p.m., no-load.  
**bearings:** Ball bearings on all shafts.  
**length overall:** 11 $\frac{7}{8}$ ".  
**net weight:** 6 $\frac{1}{2}$  lbs.  
**shipping weight:** 8 $\frac{1}{4}$  lbs.

# SKIL Valve Seat Grinding Sets



## SKIL Basic Valve Seat Grinding Set

model 439  
standard duty

This valve set provides the basic equipment for a neat and business-like valve seat grinding kit. The attractive metal cabinet protects your precision tools, keeps them in orderly, easily handled condition. Your complete set can be carried right to the job, saving lost time and money. For those making their initial purchase of valve seat equipment, this kit is recommended as the most economical.

shipping weight: 47 lbs.

### equipment

1—Model 318 SKIL Valve Seat Grinder	2—No. 7560 Stone Holders
1—No. 7500 Carrying Cabinet	1—No. 7600 Stone Dresser



## SKIL Basic Valve Seat Grinding Set

model 441  
heavy duty

This valve set provides the basic tools necessary for assembly of a heavy duty valve seat grinding outfit. Many shops that specialize on particular types of large engines prefer to purchase this type of set.

shipping weight: 47 lbs.

### equipment

1—Model 319 SKIL Valve Seat Grinder	2—No. 7560 Stone Holders
1—No. 7500 Carrying Cabinet	1—No. 7600 Stone Dresser

## SKIL General Purpose Valve Seat Grinding Set

model 440  
standard duty

This general purpose set is designed to provide the service shop or auto dealer with the proper equipment for fast handling of all regular valve seat work. All SKIL Valve Seat Stones in this set are recommended for general purpose and finishing operations.

shipping weight: 50 lbs.

### equipment

1—Model 318 SKIL Valve Seat Grinder	1—No. 7461 Valve Guide Brush
1—No. 7500 Carrying Cabinet	2—No. 7560 Stone Holders
1—No. 7600 Stone Dresser	1—No. 7572 Pilot
1—No. 7501 Stone (1 $\frac{1}{4}$ "")	1—No. 7575 Pilot
1—No. 7502 Stone (1 $\frac{3}{8}$ "")	1—No. 7593 Pilot
2—No. 7503 Stones (1 $\frac{1}{2}$ "")	1—No. 7450 Pilot Wrench
2—No. 7504 Stones (1 $\frac{5}{8}$ "")	
2—No. 7505 Stones (1 $\frac{3}{4}$ "")	

## SKIL General Purpose Valve Seat Grinding Set

model 442  
heavy duty

Here is the complete valve seat grinding set for all shops and garages handling large truck, tractor and marine engines. Stones and pilots have been carefully selected to provide servicing requirements of the widest range of engines.

shipping weight: 53 lbs.

### equipment

1—Model 319 SKIL Valve Seat Grinder	1—No. 7509 Stone (2 $\frac{1}{4}$ "")
1—No. 7500 Carrying Cabinet	1—No. 7511 Stone (2 $\frac{1}{2}$ "")
1—No. 7600 Stone Dresser	1—No. 7513 Stone (2 $\frac{3}{4}$ "")
1—No. 7501 Stone (1 $\frac{1}{4}$ "")	1—No. 7461 Valve Guide Brush
1—No. 7502 Stone (1 $\frac{3}{8}$ "")	2—No. 7560 Stone Holders
2—No. 7503 Stones (1 $\frac{1}{2}$ "")	1—No. 7572 Pilot
2—No. 7504 Stones (1 $\frac{5}{8}$ "")	1—No. 7575 Pilot
2—No. 7505 Stones (1 $\frac{3}{4}$ "")	1—No. 7578 Pilot
1—No. 7506 Stone (1 $\frac{7}{8}$ "")	1—No. 7583 Pilot
1—No. 7507 Stone (2")	1—No. 7586 Pilot
1—No. 7508 Stone (2 $\frac{1}{8}$ "")	1—No. 7593 Pilot
	1—No. 7450 Pilot Wrench

## Valve Seat Grinding Stones

SKIL Stones are made from highest quality electric furnace abrasives. They have heavy brass threaded inserts and are available in two different types: 1 — General Purpose and Finishing for ordinary valve seat conditions; 2 — Roughing for badly pitted seats. All stones fit  $1\frac{1}{16}$ "—16 N. threaded stone holders as listed at right. Short, threaded hubs permit twice as much wear before discarding. To simplify ordering, all SKIL Stones are dressed to a  $\frac{1}{8}$ ", 45° angle and may easily be dressed to exact measurements before use.

**No. 7499**—Adapter bushing. Permits use of SKIL Stones with other stone holders having a  $\frac{9}{16}$ "—16 N. thread.

### specifications

stone size	general purpose and finishing stones	roughing stones for cast iron, soft steel	roughing stones for hard steel, stellite
diameter inches	part no.	part no.	part no.
$1\frac{1}{4}$	7501	7531	7401
$1\frac{3}{8}$	7502	7532	7402
$1\frac{1}{2}$	7503	7533	7403
$1\frac{5}{8}$	7504	7534	7404
$1\frac{3}{4}$	7505	7535	7405
$1\frac{7}{8}$	7506	7536	7406
2	7507	7537	7407
$2\frac{1}{8}$	7508	7538	7408
$2\frac{1}{4}$	7509	7539	7409
$2\frac{3}{8}$	7510	7540	7410
$2\frac{1}{2}$	7511	7541	7411
$2\frac{5}{8}$	7512	7542	7412
$2\frac{3}{4}$	7513	7543	7413
$2\frac{7}{8}$	7514	7544	7414
3	7515	7545	7415
$3\frac{1}{8}$	7516	7546	7416
$3\frac{1}{2}$	7517	7547	7417
$1\frac{1}{16}$	7518	7548	7418
$1\frac{3}{16}$	7519	7549	7419

## Stone Holders

Machined and reamed to fit designated SKIL Pilots accurately. Has hexagon socket at top into which spindle of SKIL Valve Seat Grinder fits, forming a universal joint. Threaded end fits all SKIL Stones or others with an  $1\frac{1}{16}$ "—16 N. thread.

**No. 7560**—Standard stone holder.

**No. 7425**—Ball bearing stone holder.

**No. 7495**—Short stone holder for Kaiser-Frazer.

**No. 7596**—Special stone holder for Crosley.



## Expanding Pilots

One-piece construction for quick operation, accuracy of fit and low cost. Center part of shank is tapered, insuring a tight fit in the upper part of guide. Bottom part of shank is slotted and tapered to provide a true, rigid fit at lower part of guide. Thus, the exact center of a worn guide is automatically found. These pilots also serve as plug gauges for checking wear. If a guide is so badly worn that pilot does not anchor, the guide should be replaced.

### specifications

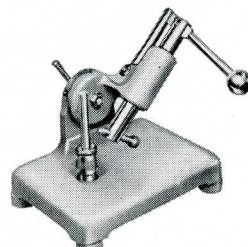
part no.	size, inches	length, inches	part no.	size, inches	length, inches
7570	$\frac{1}{4}$	$4\frac{3}{4}$	7581	$1\frac{3}{16}$	$6\frac{1}{2}$
7571	$\frac{9}{32}$	$4\frac{3}{4}$	7582	$1\frac{3}{16}$	$7\frac{1}{2}$
7572	$\frac{5}{16}$	$5\frac{1}{2}$	7583	$\frac{7}{16}$	$6\frac{3}{4}$
7573	$\frac{9}{16}$	$4\frac{3}{4}$	7584	$\frac{7}{16}$	$7\frac{3}{4}$
7574	$\frac{5}{16}$	$6\frac{1}{2}$	7585	$\frac{7}{16}$	$8\frac{3}{4}$
7575	$\frac{11}{32}$	$5\frac{1}{2}$	7586	$\frac{1}{2}$	$6\frac{3}{4}$
7576	$\frac{11}{32}$	$4\frac{3}{4}$	7587	$\frac{1}{2}$	$8\frac{1}{4}$
7577	$\frac{11}{32}$	$6\frac{1}{2}$	7588	$\frac{9}{16}$	$6\frac{3}{4}$
7578	$\frac{3}{8}$	$6\frac{1}{4}$	7589	$1\frac{9}{32}$	$5\frac{1}{2}$
7579	$\frac{3}{8}$	$4\frac{3}{4}$	7590	$\frac{5}{8}$	$6\frac{3}{4}$
7580	$\frac{3}{8}$	$7\frac{1}{2}$	7591	$1\frac{11}{16}$	$6\frac{3}{4}$
7592	.850				Special pilot for Ford V-8, 60
7593	$1\frac{1}{32}$				Special pilot for Ford V-8, Mercury.
7594	$\frac{3}{4}$	7			
7595	.395				Special pilot for Oldsmobile Rocket.
7599	$1\frac{1}{32}$	$4\frac{11}{16}$			Special pilot for Kaiser-Frazer No. 12 valve.
11812	$\frac{9}{16}$	$8\frac{1}{4}$			



## Stone Dressing Stand

### No. 7600

Makes quick work of dressing and cutting stones to exact angles required on different jobs. Has heavy non-skid base for steadiness. Plunger and diamond are held by constant friction and never require adjustment. Plunger is sealed at both ends for maximum protection from abrasive dust. Swivel bevel is graduated and locks at 0, 15, 30, 45, 75, and 90 degrees. For use with all SKIL Stones. Shipping weight, 12 lbs.



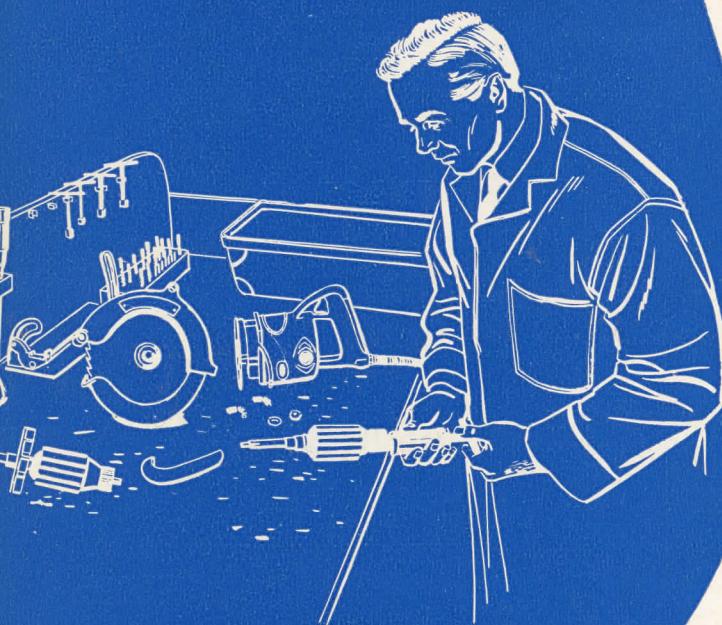
**No. 7601**—Replacement diamond nib with threaded shank.

## Pilot Wrench

**No. 7450**—Instantly places or removes SKIL Pilots from valve guides. Fast and simple to operate.



# SKIL TOOL SERVICE



**in all principal cities**

Fast and efficient service for any SKIL Tool is available at the factory branch service stations in the cities listed below. It is our policy to provide prompt and dependable service throughout the life of every SKIL Tool manufactured and sold by us.

Atlanta 3, Ga.	1116 W. Peachtree St., N.W.
Baltimore 18, Md.	2436 N. Charles St.
Birmingham 4, Ala.	806 North 5th Ave.
Boston (Allston) 34, Mass.	442 Cambridge St.
Buffalo 2, N. Y.	182 Main St.
Charlotte 3, N. C.	1815 S. Tryon St.
Chicago 30, Ill. (factory)	5033 Elston Ave.
Cincinnati 2, Ohio	1132 Gilbert St.
Cleveland 14, Ohio	3038 Payne Ave.
Dallas 1, Texas	4014 Elm St.
Denver 16, Colo.	4462 York St.
Des Moines 9, Iowa	1420 Walnut St.
Detroit 21, Mich.	17160 Wyoming Ave.
Hillside 5, N. J.	611 State Highway 29
Houston 3, Texas	3606 Navigation Blvd.
Indianapolis 2, Ind.	1620 N. Illinois St.
Kansas City 8, Mo.	1535 Grand Ave.
Los Angeles 7, Calif.	2730 S. Broadway
Memphis 4, Tenn.	2027 Madison Ave.
Miami 37, Fla.	4220 N.W. Second Ave.
Milwaukee 13, Wisc.	9209 W. Bluemound Rd.
Minneapolis 4, Minn.	1210 Nicollet Ave.
New Orleans 15, La.	3501 Tchoupitoulas St.
New York 10, N. Y.	36 East 22nd St.
Oklahoma City 4, Okla.	1535 W. Reno St.
Philadelphia 38, Pa.	2135 Chew Ave.
Pittsburgh 24, Pa.	4028 Liberty Ave.
Portland 9, Ore.	534 N. W. 6th Ave.
St. Louis 3, Mo.	3501 Market St.
San Francisco 3, Calif.	285 S. Van Ness Ave.
Seattle 9, Wash.	818 John St.
Spokane 21, Wash.	N. 2226 Division St.
Montreal 25, Quebec, Canada	2071 St. Catherine St., W.
Toronto 9, Ontario, Canada	3601 Dundas St., W.

**SKIL Corporation**

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